

APPENDIX

2005-2007 Puget Sound Conservation and Recovery Plan

Puget Sound Action Team Partnership

Detailed Budget Information

By Agency

The information in the following section is submitted by Action Team agencies and university environmental education programs to describe activities and expected results to be accomplished with funding proposed under the work plan, as both legislative proviso and non-proviso appropriations. Chapter 90.71 RCW, section 050(4) states: "The work plan shall be implemented consistent with the legislative provisos of the biennial appropriation acts."

Key To Budget Information

Budget Code: A budget code is assigned by agencies to a programmatic or topical division of agency funds in the work plan. Funding under each budget code identifies activities or a program that supports one or more related priorities and results in the work plan.

Carry Forward Level Proviso Funds: Funds appropriated as a proviso by the legislature, specifically designated to implement the Puget Sound work plan during the 2003-2005 biennium that are carried forward in proposed budgets for 2005-2007.

Other continuing funding: Non-proviso funds that agencies are voluntarily reporting on to the Action Team so that Puget Sound benefits can be tracked.

Proposed Enhancements for 2005-2007: Proposed increases in funding by state agencies for the 2005-2007 biennium.

Total: The total amount of funds proposed as carry forward proviso funds, continuing non-proviso funds, and proposed enhancements for 2005-2007 for each budget code.

Fund: The source of the funds (see coded list of funding sources below).

Codes for Funding Sources		Codes for Puget Sound Plan Programs	
GF-S	General Fund-State	AG	Agricultural Practices
GF-F	General Fund-Federal	AQ	Aquatic Nuisance Species
GF-F Capital	General Fund-Federal	EPI	Education and Public Involvement
GF-P/L	General Fund-Private Local	EM	Puget Sound Estuary Management
ALEA	Aquatic Lands Enhancement Account	FP	Forest Practices
WQPF	Water Quality Permit Fees	L	Laboratory Support
MVF	Motor Vehicle Fund	MB	Marinas and Recreational Boating
STCA	State Toxic Control Account	MFH	Marine and Freshwater Habitat Protection
OSPA	Oil Spill Prevention Account	MR	Monitoring and Research
WQA	Water Quality Account	NP	Nonpoint Source Pollution
FAWA	Freshwater Aquatic Weed Account	OSS	Onsite Sewage Management
WQA-Capital	Water Quality Account-Capital	PM	Pest Management
HWAA	Hazardous Waste Assistance Account	M&I	Municipal & Industrial Discharges
VRA	Vessel Response Account	PS/GB	Puget Sound/Georgia Basin Shared Waters
		S	Contaminated Sediments
		SH	Shellfish Protection
		SP	Spill Prevention
		SW	Stormwater & Combined Sewer Overflows
		WP	Local Watershed Action

Department of Agriculture

Agency: Agriculture

Budget code title: Pesticide Technical Assistance

Total proposed funds: \$74,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
WSDA-01	\$74,000			GF-S	2.B.1, 2.B.2, 2.D.1, 4.C.1, 5.B.7, 6A. 5	NP, PM, ANS

Program description:

Enforce pesticide laws and regulations. Conduct technical assistance activities to minimize adverse impacts. Collect and dispose of cancelled, suspended or unusable pesticides and continue related technical assistance activities to minimize future waste pesticide stocks. Inspect facilities and sites that: 1) store bulk quantities of pesticides and fertilizers to enforce secondary containment regulations; 2) utilize fertigation or chemigation equipment to monitor for backflow prevention devices.

Review all labels of pesticide and fertilizer products and consider, if appropriate, further conditions on use for protecting the environment of the Sound and to protect listed Endangered Species.

Proviso funded activities:

Investigate, report and enforce actions for all referred complaints about possible pesticide misuse.

Collect unusable, cancelled or suspended pesticides for proper disposal.

Expected Results:

Inspections, enforcement actions, pesticide collections and education minimize adverse environmental impacts on Puget Sound from pesticides.

Department of Community, Trade and Economic Development

Agency: Community, Trade and Economic Development

Budget code title: Technical assistance for local planning

Total proposed funds: \$123,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
CTED-01	\$123,000	NA		GFS	5B. 1,5B 2, 5C 2	MFH;SH;

Program description:

Funding to support Senior Planner position providing technical assistance and planning coordination with state, federal, and local agencies and tribes relating to comprehensive planning under the GMA, critical areas planning, shoreline management and watershed planning.

Proviso funded activities:

Providing technical assistance and planning coordination with state, federal, and local agencies and tribes relating to local government comprehensive planning under the GMA, critical areas planning and permitting, shoreline management and watershed planning.

Expected Results:

Provide technical assistance and guidance materials to local governments and interagency coordination when reviewing critical areas ordinances, shoreline master program updates. 100% of counties, 50% cities, including: Snohomish County, Whatcom County, the city of Port Townsend and the city of Bellingham, Mason, Island, San Juan and Skagit Counties.

Conservation Commission

Agency: Conservation Commission

Budget Code Title: Puget Sound Conservation District technical assistance for water quality and habitat protection projects

Total proposed funds: \$1, 484.000

Budget Code	Carry Forward Proviso Funds	Continuing Other funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
CC-01	\$494,000			GF-S	Priority 4: E2, E3, E4. Priority 6: A7	NP, AG, MFH, WP
CC-01	\$840,000			WQA		

Program description: Conservation districts use state, federal and local funds to promote conservation and stewardship and assist citizens in implementing conservation practices. Programs include water quality implementation, the Conservation Reserve and Enhancement Program, technical assistance to dairy operators, watershed planning, salmon restoration projects, planning, and public education and involvement. Professional engineering staff serves projects related to habitat restoration and protection, dairy enhancement, and irrigation water management.

Proviso funded activities: The 12 Puget Sound conservation districts target proviso funds to implement the Puget Sound work plan based on needs and opportunities in the individual counties. Activities include water quality monitoring, technical assistance to landowners in writing conservation plans, constructing best management practices, restoring and fencing riparian freshwater and estuarine habitat, salmon habitat restoration projects, and public education and assistance activities.

Expected Results:

Most grants awarded under this program will ensure that technical and project design assistance, as well as, cost share dollars will be provided to private landowners following voluntary requests or referrals from regulatory agencies to conservation districts. The object of the program is to assist landowners in implementing nonpoint water quality improvements and provide, or help, secure funding for installation of federal and state recognized and approved best management practices. This may include the development of innovative projects, educational outreach, and volunteer programs that benefit Puget Sound Water Quality in other ways.

Agency: Conservation Commission

Agency Activity Title: Livestock and Water Quality

Total proposed funds: \$5,270,240

Budget Code	Carry Fwd Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
No Proviso		\$1,500,000	\$ 762,640	WQA – Operating	Priority 4: E1, E3	AG, EPI
No Proviso			\$3,007,600	WQA – Capital	Priority 4: E1, E3	AG, EPI

Note: Amounts shown are for statewide program.

Program description: The Livestock and Water Quality Program provides private landowners with technical assistance and cost share dollars from local conservation districts to proactively, voluntarily, and on a non-regulatory basis, fix current and eliminate future agricultural water quality problems resulting from the production of livestock. Some landowners may also be referred to conservation districts by federal, state and local regulatory agencies to fix existing livestock and other water quality problems as a means to prevent penalties from being assessed.

Proviso funded activities: None

Expected Results:

This program will provide critical technical assistance in the form of conservation and nutrient management plans to 818 livestock producers across Washington during the transition and early implementation of the Livestock Nutrient Management Program rules being developed by WSDA. Some of those producers may need financial assistance implementing their plan. Districts will work closely with WSDA and the LDOC to ensure that district technical assistance is consistent with the development of the WSDA program as they develop the specific rule language. The primary goal of this program is to assist those producers that are at risk of falling under the rules of WSDA's program.

Keeping AFOs from becoming CAFOs is a high priority. Additionally, 500 small livestock operations that may be vulnerable to being designated a CAFO by regulatory agencies will also receive assistance which may include a nutrient management plan. At least 1,000 additional producers will also be reached with education programs about livestock management and water quality issues. This educational effort will help greatly in defining workload for future biennia in assisting livestock producers.

Agency: Conservation Commission

Agency Activity Title: Conservation Reserve Enhancement Program

Total proposed funds: \$2,000,000 GF-S; \$6,000,000 SBCA-057

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
Non Proviso		\$1,900,000	\$ 100,000	GF-S	Priority 6: A7	AG, EPI, NP
Non Proviso		2,000,000	\$4,000,000	SBCA 057	Priority 6: A7	AG, EPI, NP

Note: Amounts shown are for statewide program,

Program description: The CREP program removes livestock and agricultural activities from the riparian area of salmon-bearing streams. The sites are planted with native trees and shrubs for a contract period of 10-15 years. Improved salmon habitat, cooler, cleaner water and financial enhancements to the landowners for removing the area from production are the results of this program. This is a voluntary program that is the result of a contractual agreement between the State of Washington and United States Department of Agriculture.

Proviso funded activities: None

Expected Results:

The minimum buffer width is 35 feet and the maximum buffer width is 180 feet. Currently, there are 33 eligible conservation districts across the state with 10,000 eligible miles. The 10,000 eligible miles are the maximum allowed under the state's agreement with USDA.

Agency: Conservation Commission

Agency Activity Title: Water Quality Implementation Grants

Total proposed funds: \$4,000,000

Budget Code	Carry Fwd Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
No Proviso		\$3,500,000	\$ 500,000	WQA – Capital	Priority 4: E2, E4	AG, EPI. NP

Note: Amounts shown are for statewide program.

Program description: The Water Quality Implementation Grants Program provides private landowners with technical assistance and cost share dollars from local conservation districts to proactively, voluntarily, and on a non-regulatory basis, fix current and potential agricultural nonpoint water quality problems. Some landowners may also be referred to conservation districts by state and local regulatory agencies to fix specific water quality problems to prevent penalties from being assessed. Additionally, the program contains a water quality monitoring competitive grant program to provide additional emphasis for high-priority watersheds.

Proviso funded activities: None

Expected Results:

This program will provide critical technical assistance in the form of conservation plans to landowners across Washington during the 2005-2007 biennium. Some landowners may need financial assistance implementing their plan and dollars from these grants will be eligible for providing all or a portion of such assistance. The program also anticipates gaps in technical knowledge in the management of water quality on private lands. Effective programs will have some way of understanding the impacts they have on local resources, in this case water quality. The Commission proposes that a portion of this appropriation would be used for competitive water quality monitoring grants. The purpose of these grants is to emphasize high priority watersheds/projects identified by the Commission and to ensure that conservation districts are using the full range of needed information as they assist private landowners.

Department of Ecology

Agency: Ecology

Budget code title: Ambient Monitoring and laboratory certification

Total proposed funds: \$4,065,692

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-01	3,280,886			GF-S	The Role of Science: results 3,4,5,6,7 and 9	L, MR
	244,000			GF-F		L, MR
	217,830		322,976*	WQA		L, MR

- Reflects a shift in funds from the State Drought Preparedness Fund to the Water Quality Account

Program description: The agency has established a monitoring network to assess the current status of state waters, identify threatened or impaired waters, and evaluate changes/trends in water quality over time. This network includes sampling stations in rivers, streams, and marine waters. The collected monitoring data are used for various purposes including assessing the health of waterbodies and tracking and assessing the effectiveness of water cleanup activities. The agency also certifies laboratories that conduct tests or submit data to the agency in order to help assure these laboratories have the demonstrated capability to provide accurate and defensible data.

Proviso funded activities: A significant part of the monitoring network was developed under the direction of Chapter 90.71 RCW, which ensured implementation of the Puget Sound Ambient Monitoring Program. Roughly 30% of the long-term freshwater monitoring network, 66% of the marine water network, 100% of sediment stations, and 33% of the flow monitoring network are located in Puget Sound and funded by proviso money.

Expected Results:

Marine Water Quality:

- Provisional marine water quality monitoring data updated on Ecology's internet site every 6 months.
- Puget Sound eutrophication index updated annually
- Most recent marine water quality data incorporated into Ecology's Clean Water Act section 303(d) and 305(b) integrated report
- Most recent marine water quality data incorporated into Puget Sound Update report.
- Most recent marine water quality data interpreted in presented talks or posters at 2005 Puget Sound/Georgia Basin Conference

Marine Sediment Quality:

- Marine sediment data updated on Ecology's internet site annually.
- Marine sediment quality data uploaded to SedQual database within 6 months of receipt of results.
- Preliminary report of sediment quality in Hood Canal completed by March 2005
- Most recent sediment quality data incorporated into Puget Sound Update report

- Most recent sediment quality data interpreted in presented talks or posters at 2005 Puget Sound/Georgia Basin Conference

Freshwater Quality:

- Freshwater ambient monitoring data posted to Ecology's web site within 3 months of sampling.
- Freshwater quality "exceedence reports" completed quarterly
- Ecology's freshwater Water Quality Index updated annually
- Most recent freshwater monitoring data incorporated into Ecology's Clean Water Act section 303(d) and 305(b) integrated report

Laboratory Accreditation:

- >95% of required, onsite audits and laboratory accreditation renewals completed on schedule
- 100% of water and solid waste environmental laboratories used by Ecology are capable of producing reliable data

Agency: Ecology

Budget code title: Wastewater discharge permits

Total proposed funds: \$3,826,188

Budget Code	Carry Fwd Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-02	77,968			GF-S	Priority 2: A5, B5, B6, C2	M & I
	3,748,220			WQPF	Priority 2: A5, B5, B6, C2	M & I

Program description: The program regulates the discharge of pollutants to surface and ground waters by writing wastewater discharge permits for sewage treatment plants, stormwater, and industrial discharges. A permit is a rigorous set of limits, monitoring requirements, or management practices, usually specific to discharge, which is designed to ensure that a facility can meet both treatment and water quality standards.

Proviso funded activities: Activities funded by proviso include permit issuance and maintenance, technical assistance, site inspections, follow-up on permit violations, research, and training to locals and tribes.

Expected Results: The volume of reclaimed wastewater in Puget Sound increases by 2 million gallons per day during the course of the biennium.

By June 2007, National Pollutant Discharge Elimination System (NPDES) permits for 85 percent of municipal sewage treatment plants have been renewed, or newly issued within the past five years.

By June 2007, NPDES permits for 85 percent of industrial permits have been renewed or newly issued within the past 5 years.

Ecology completes ____ toxic-focused water quality cleanup plans or technical studies during the biennium. (Ecology will provide target numbers in June 2005.)

Agency: Ecology

Budget code title: Watershed Planning

Total proposed funds: \$3,904,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-03		3,904,000		WQA	Priority 5: 3	WP

Program description: *Provide Technical and Financial Assistance for Local Watershed Planning.* In 1998, the Watershed Planning Act established a framework for state, local, and tribal governments to collaboratively create watershed plans that address water needs, reduce water pollution, and protect fish habitat. As the first watershed plans are coming to completion, emphasis is shifting to implementation of the water management strategies contained in the plans. Ecology supports watershed planning and implementation by providing staff support, technical and financial assistance to local groups and by adopting the county approved plans into rules. Ecology will also implement strategies for water resource management, as agreed to in the locally developed watershed plans.

Proviso funded activities: None.

Expected Results:

- Work at the local level to integrate regulatory and conservation approaches in implementing watershed plans.
- Local watershed plans are developed and implemented to provide sufficient water to meet future water use needs for population and economic growth, instream flows for fish, and water quality protection.
- Coordinate and provide technical assistance to 45 of the state's 62 Water Resource Inventory Areas and represent the state's interests in the development of local watershed plans. The outcome of this effort will be locally developed plans that meet the needs of instream flows for fish, and out-of-stream uses for population and economic growth, agriculture, and energy production.
- Administer an \$11.2 million statewide biennial grant program to assist 20 local planning units in both development and implementation of their watershed plans.
- Establish new instream flow rules to protect salmonids.

Agency: Ecology

Budget code title: Nonpoint Source Pollution

Total proposed funds: \$970,150

Budget Code	Carry Fwd Proviso Funds	Continuing Other Funds	Proposed enhancemt	Funding Source	Priorities & Results	PS Plan Program
DOE-04	970,150			GF-S	Priority 4: A2, B1	NP

Program description: Nonpoint source pollution (polluted runoff) is the leading cause of water pollution and poses a major health and economic threat. This program is responsible for managing the State's Water Quality Plan to Control Nonpoint Source Pollution. This includes coordination with various state agencies and other stakeholders to meet the plan and the expectations of the Environmental Protection Agency. The program provides on the ground technical assistance and strategy development for communities. It also administers a grant to provide funds to state agencies, local governments and communities to improve the management of non point source pollution problems. Types of nonpoint pollution include fecal coliform bacteria, elevated water temperature, pesticides, sediments, and nutrients. Sources of pollution include agriculture, forestry, urban and rural runoff, recreation, hydro modification, and loss of aquatic ecosystems.

Proviso funded activities: Activities funded by this proviso include providing education and outreach to locals and tribes, encouraging community action, providing funding and technical support to local decision makers, collaborating with other agencies, locals and tribes to carry out organized strategies to correct water quality problems relating to shellfish in threatened areas and prevent growing area downgrades; participating on advisory committees, administering grants, preparing and implementing water cleanup plans related to nonpoint pollution sources, conducting compliance and enforcement efforts, and participating in shellfish closure and response planning. (Note: Beginning in the 05-07 budget, the Ecology Shellfish budget code, DOE-05, is now rolled into this budget code)

Expected Results:

- The fecal coliform loading to Hood Canal from the Skokomish River (measured at the Highway 106 bridge) is reduced by 44 percent compared to the baseline established in 2000. The fecal coliform loading to Hood Canal from the Union River is reduced by 34 percent over the course of the biennium.
- The Department of Ecology completes ___ nutrient, dissolved oxygen, and fecal coliform-focused water quality cleanup plans on an annual basis. (Ecology will provide target numbers in June 2005).

Agency: Ecology

Budget code title: Stormwater Program

Total proposed funds: \$5,921,769

Budget Code	Carry Fwd Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-06	311,697		198,000*	GF-S	Priority 3: A2, B1, B4, B5, C1, F1	SW
			3,621,000*	WQPF	Priority 3: A2, B1, B4, B5, C1, F1	SW
	1,400,000	391,072		STCA	Priority 3: A2, B1, B4, B5, C1, F1	SW

*Note: Statewide total. No attempt was made to separate out Puget Sound activities.

Program description: The program prepares tools, renders assistance and provides compliance pathways for people to control the quantity and quality of stormwater runoff from development and industrial activities. The program is currently providing training and assistance to communities and industries for the Western Washington Stormwater Manual and is actively developing an Eastern Washington Stormwater Manual. The program is also re-issuing stormwater permits to Washington's largest cities and counties (phase I jurisdictions) and will develop a phase II permit program that will require stormwater management programs for areas with populations of 10,000 or more.

Proviso funded activities: Activities funded by this proviso include technical assistance and training to locals and tribes; developing and maintaining technical standards; issuing municipal, industrial and construction National Pollutant Discharge Elimination System (NPDES) permits; conducting inspections at stormwater facilities; researching and sharing stormwater management technologies.

Expected Results:

- 80% percent of jurisdictions with combined sewer overflows meet the milestones in their CSO reduction plans, such as implementing CSO reduction activities.
- 90% percent of the jurisdictions who need a municipal stormwater permit have obtained a permit that includes provisions for monitoring and reporting.
- Department of Ecology staff carry out stormwater inspections at 500 construction sites.
- Ecology staff carry out stormwater inspections at 600 industrial sites.
- Credits for low impact development techniques in the Stormwater Management Manual for Western Washington are updated based on monitoring data and evaluations made available by January 2007.
- Municipal NPDES stormwater permits will include effectiveness monitoring.

Agency: Ecology

Budget code title: Contaminated upland and sediment sites including dredging activities

Total proposed funds: \$1,190,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-07	1,181,000			STCA	Priority 1: A1, A2, B1, B2, C1 Priority 2: B3	S
	9,000			GF-F	Priority 1: A1, A2, B1, B2, C1 Priority 2: B3	S

Program description: Ecology protects public health and natural resources by cleaning up and managing contaminated upland and aquatic sites under the Model Toxic Control Act Cleanup Regulation and Sediment Management Standards. This includes preventing the creation of new sites by coordinating with other regulatory programs and agencies to control sources of contamination and working with local governments and industry to reduce releases of toxic contamination into the environment. The cleanup of these sites protects public health, reduces contamination uptake into the food web, and promotes local economic development by making land available for new industries and other beneficial uses.

Proviso funded activities: Ecology uses these funds for multiple activities that support the identification, characterization and cleanup of contaminated sites in Puget Sound. In addition, it supports work to prevent the recontamination of cleaned up sites or creation of new sites in Puget Sound by controlling sources from adjacent uplands and permitted discharges. Activities include working cooperatively with other regulatory programs and agencies as well as local governments and industry to accomplish cleanup. Funds also support Ecology's participation in the cooperative state and federal Dredged Material Management Program, which manages open water disposal sites for clean dredged material.

Expected Results:

The most highly contaminated sites are cleaned up and managed to minimize public and environmental health impacts. Remediated sites are ready for redevelopment or other beneficial use.

- The total number of acres of contaminated sediments that are remediated increases by 80 acres over the biennium.
- For aquatic sites, 5000 sediment acres are evaluated to assess whether cleanup is needed during the biennium.

Agency: Ecology

Budget code title: Wetland protection and restoration

Total proposed funds: \$1,134,234

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-08	411,690			GF-S	Priority 5: C1,C2,D1	MFH
	113,000			GF-F	Priority 5: C1,C2,D1	MFH
			609,544*	GF-S	Priority 3: Strategy2,4 Priority 5: Strategy 1 Priority 6: Strategy 1	MFH

Notes: The carry forward proviso funds for Ecology are updated to reflect a \$28,000 legislative cut made specifically to shoreline and wetland activities in the 2002 legislative session

*Total Statewide 401 add/no attempt was made to separate out Puget Sound Activities

Program description: *Protect Restore and Manage Wetlands.* The agency has the lead responsibility in implementing the State Water Pollution Control Act which requires the protection of wetlands. It provides technical assistance to local governments, helping them implement requirements in the Shoreline Management Act and Growth Management Act. Staff also provides technical assistance to non-government entities on wetlands conservation and stewardship programs. The agency provides leadership on wetlands issues, coordinating statewide policy issues and developing new approaches for managing and restoring wetlands. Properly functioning wetlands protect water quality, reduce flooding, provide aquifer recharge for drinking water and other uses, and provide critical habitat for fish and wildlife. The agency also issues water quality certifications for water-related (including wetlands) projects to protect water quality, sediment quality, and fish and shellfish habitat.

Proviso funded activities:

- A landscape-scale computer-based tool¹ for assessing projects and sub-basin areas is developed to assist local governments in protecting shorelines and other critical areas that provide important ecological functions.
- Local governments receive technical information and assistance with comprehensive planning decisions and permits related to wetlands.
- Citizens receive technical information and assistance on wetlands restoration and stewardship in the context of voluntary actions, as well as regulatory.

¹ Landscape analysis involves analyzing environmental factors that occur at geographic scales such as basins, sub-basins, and watersheds. Environmental factors include the movement of water, sediment, nutrients, chemicals, energy or animals and plants. A computer-based approach uses Geographic Information System technology to manage, analyze, display and monitor data and results. The results can be used to inform decisions related to land protection, restoration , planning and permitting.

Expected Results

- **Whatcom County Model** - Technical guidance is provided to Whatcom County to develop a model of landscape scale watershed assessment and planning. Assistance is provided with applying the landscape assessment tool, applying alternative futures analysis for informing the comprehensive planning process, and designing the implementation tools necessary to establish a progressive county-wide landscape-based model of local planning with landscape processes and functional protection as the priority.
- **Expanded Landscape Assessment Tool** - The landscape-scale computer-based tool for assessing projects and sub-basin areas is expanded further to incorporate eco-regional planning habitat components. This will better assist local governments in protecting shorelines and other critical areas that provide important ecological functions.
- **Local Government Technical Assistance** - Local governments receive technical information and assistance with landscape scale resource assessment; smart growth planning approaches for landscape process and function protection; comprehensive planning and SMP development; regulatory permit assistance; and non-regulatory program implementation related to wetlands; etc.
- **Local Government Wetland Training** - Local governments and other key audiences receive technical wetlands training on: conducting landscape scale assessments, land use policy and regulatory protection for wetlands, landscape-based SMP and comprehensive plan development related to wetlands, smart growth and non-regulatory approaches, etc.
- **Wetland Stewardship** - Local governments and citizens receive technical information and assistance with establishing voluntary wetland stewardship efforts that can include preservation and restoration of lands. Technical information and assistance will be offered to willing local governments wishing to establish green infrastructure plans for directing strategic non-regulatory efforts. Technical assistance and grant funding support will be provided to local governments and communities conducting wetlands restoration and stewardship projects.

Agency: Ecology

Budget code title: Oil spill prevention and response

Total proposed funds: \$4,346,500

Budget Code	Carry Fwd Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-09		2,876,000		VRA	Priority 2: Strategy 3; A4,A5,B7,B8	SP
	705,000	800,000		OSPA	Priority 2: Strategy 3; A4, A5,B7,B8,Priority 5: Strategy 2; A1	SP
		600,000		STCA	Priority 2: Strategy 3;B8	SP

Program description: Puget Sound is vulnerable to spills from large marine oil handling facilities, maritime vessel traffic, and land transportation related sources. The Spill Prevention, Preparedness, and Response Program will continue to:

- Prevent oil spills from regulated vessels and oil handling facilities through plan review, inspection, and incident investigation activities; and
- Respond to oil and hazardous material spills from all sources.

Proviso funded activities: The Oil Spill Prevention Account (OSPA) supports a team of professional engineers and mariners that complete the following activities in Puget Sound:

- Inspection of large commercial vessels to verify compliance with international, federal, and state spill prevention requirements;
- Inspection of vessel fuel transfer (bunkering) operations;
- Review and approval of large marine facility spill prevention plans; and
- Other related compliance activities.

Expected Results:

Oil Spill Prevention:

Vessel and facility inspections are conducted to verify compliance with state, federal and international safety requirements. Best Achievable Protection (BAP) for facilities and vessels is promoted. Causes of major spills are thoroughly investigated producing recommendations with broad influence. Intentional waste oil discharges from vessels is reduced. A rule is adopted by 6/30/06 establishing performance standards for oil transfers. A study of the oil tanker escort system is completed. A dedicated rescue tug is stationed at the entrance to the Strait of Juan de Fuca each year to provide timely emergency towing assistance to large disable vessels.

Oil Spill Preparedness:

The community's ability to contain oil spills before they spread is significantly improved. Contingency plan holders are better prepared to quickly and thoroughly remove spills. Oil spill contingency plans are reviewed and approved. Oil spill contingency plans incorporate information from drills and spills. Spill response management is significantly improved using the DRILLTRAC training program developed by Ecology.

Oil and Hazardous Material Spill Response:

Oil & hazardous material spills are rapidly responded to and clean-up, 24 hours/day from 5 field offices.

Restore Natural Resources Damaged by Oil Spills:

Natural Resource Damage Assessments are issued on all oil spills where 25 or more gallons reach surface waters. Funds from Natural Resource Damages are applied to restore and protect wildlife habitat.

Agency: Ecology

Budget code title: Aquatic nuisance species

Total proposed funds: \$89,903

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-10		45,053		FAWA	Priority 5: B7	AQ
		44,850		STCA	Priority 5: B7	AQ

Program description: The program coordinates noxious weed permitting issues with regional staff and the public. It also manages the Department of Agriculture general permit for noxious weed control. The program coordinates with agencies and local government on aquatic herbicide use for noxious weed control activities. Also, a grant program is administered to provide funds to local governments to prevent, remove, or manage invasive freshwater aquatic weeds from watersheds associated with the Puget Sound basin.

Proviso funded activities: Activities funded by this proviso include providing technical assistance, administering grants, developing educational materials, training for locals and tribes, reviewing and approving integrated vegetation management plan for noxious emergent vegetation, researching and developing management strategies for various chemicals.

Expected Results: No new aquatic nuisance species are introduced, and the spread of existing species, such as Spartina, is minimized.

Agency: Ecology

Budget code title: Shoreline Management Act

Total proposed funds: \$4,745,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-11		1,927,000	2,500,000*	GF-S	Priority 5: 1,2,B1,D2,D3	MFH
		318,000		GF-F	Priority 5: 1,2,B1,D2,D3	MFH

*Note: Statewide total. No attempt was made to separate out Puget Sound activities.

Program description: *Protect and Manage Shorelines in Partnership with Local Governments.* The Shoreline Management Act establishes a cooperative program between local and state governments, in which local governments develop and administer local Shoreline Master Programs and Ecology provides support and oversight. The agency is involved in shoreline management in four primary ways: developing guidelines for local shoreline programs; providing technical assistance to local governments and applicants on shoreline planning and permitting activities; reviewing and approving amendments to local shoreline master programs; and reviewing

shoreline permits to ensure resource protection and implementation of the Shoreline Management Act.

Ecology works with local governments on permit compliance by responding to public inquiries and complaints, making field visits, providing compliance-related technical assistance, and issuing notices of correction, orders, and penalties. Properly managed shorelines provide habitat for fish and wildlife, minimize flooding and property damage, and provide land use certainty to local landowners.

Proviso funded activities: None

Expected Results:

- Help achieve effective critical areas ordinance updates, other growth management and Shoreline Master Program updates through funding, technical assistance, data and comment.
- Snohomish County, Whatcom County, the city of Port Townsend and the city of Bellingham update their Shoreline Master Programs (SMP) to new guidelines by December 1, 2005. Other jurisdictions funded for SMP updates as early adopters will be on schedule for this biennium or soon after.
- Shoreline landowners, consultants and developers receive education and technical assistance to promote alternatives to traditional “hard” methods of shoreline modifications that allow the shoreline to maintain natural processes.
- Local government staff, real estate professionals, developers and citizens increase their knowledge, skills, and motivation to change their behaviors and practices to better protect shorelines and other ecologically critical areas, including restoration and stewardship voluntary actions. This will include awarding clock hours to real estate professionals.
- Shorelines of the state are protected, restored and managed consistent with state and local laws.
- Respond to 100-200 requests for technical assistance every month from local governments, state agencies, tribes, and citizens on interpreting and administering the Shoreline Management Act.

Agency: Ecology

Budget code title: Northwest Straits Commission

Total proposed funds: \$1,500,000

Budget Code	Carry Fwd Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-12		1,500,000		GF-F	Priority 6: 2	MFH

Program description: *Provide Technical Training, Education, and Research through Padilla Bay Estuarine Reserve.* The Padilla Bay National Estuarine Research Reserve is one of 25 national reserves established to protect estuaries for research and education. The Padilla Bay Reserve in Skagit County conducts a broad array of public

education programs, technical and professional training, coastal restoration, and scientific research and monitoring. The Reserve, managed in partnership with the National Oceanic and Atmospheric Administration (NOAA), includes over 11,000 acres of tidelands and uplands, the Breazeale Interpretive Center, a research laboratory, residential quarters, trails, and support facilities. The Reserve also provides funding and technical support to local Marine Resource Committees as part of the Northwest Straits Initiative and administers the Northwest Straits Commission as established by Congress in 1998.

The Northwest Straits Commission is housed within the Padilla Bay National Estuarine Research Reserve. Its purpose is to halt the degradation of marine resources in the Northwest Straits. The Northwest Straits are from the Strait of Juan de Fuca and northern Puget Sound to the Canadian border. The Northwest Straits Marine Conservation Initiative provides a way for local, tribal, state and community representatives to work together to protect vital marine resources. Halting the degradation of marine resources in the Northwest Straits will require the efforts of many agencies, organizations and individuals. The Northwest Straits Marine Conservation Initiative draws strength from citizen-driven efforts to garner community support for measures to protect and restore the Straits' salmon, shellfish, bottomfish and other vital resources, plus the habitats they need to survive.

Proviso funded activities: None

Expected Results:

- Support and assist in regional coordination of large-scale initiatives such as the Northwest Straits Marine Conservation Initiative.
- Develop local, bottoms-up solutions to marine resource issues.
- Provide resources, training and technical assistance to the seven marine resources committees.
- Implement recommendations identified in the 2004 report written by the Initiative's evaluation panel including developing strategic priorities for the next 5-10 years.

Agency: Ecology

Budget code title: PBT Strategy

Total proposed funds: \$1,026,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-13		150,00	876,000*	STCA	Priority 2: C1	M&I, SW, EM

Note: * Total Statewide PBT add/no attempt was made to separate out Puget Sound Activities

Program description: Persistent bioaccumulative toxins (PBTs) are particular toxic chemical elements and compounds that are persistent in the environment (resist chemical break-down), can move through the food chain, and accumulate in the tissue of humans and many animals. These toxins pose a serious health risk to humans and animals in the food chain. Under Legislative direction, in December 2000 Ecology

completed and submitted a proposed strategy to reduce PBTs in Washington State. While some components of the strategy have been implemented, most sources of funding for implementation end during the 03-05 biennium. Only \$150,000 carries forward to the 05-07 Biennium. Additional funding is needed to continue this important effort.

Proviso funded activities: None

Expected Results: PBT strategy and chemical-specific action plans are implemented.

- a. One chemical action plan is completed during the 2005-2007 biennium.
- b. The mercury chemical action plan is implemented.
- c. The PBDE chemical action plan is implemented.

Agency: Ecology

Budget code title: Technical resources for Engineering Efficiency (TREE)

Total proposed funds: \$270,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DOE-14		170,000		HWAA	Priority 2: C3	M&I
		100,000		STCA	Priority 2: C3	M&I

Program description: The Technical Resources for Engineering Efficiency (TREE) team uses engineering analysis to reduce environmental impacts, facility cost, and regulatory requirements. Technical assistance is provided to the facility at no cost. Several recent projects have resulted in hundreds of thousands of gallons per day in water use reduction and several thousand dollars in savings for the company. The team is headed by HWTR with engineers from several programs participating. An annual accomplishments report is published annually.

Proviso funded activities: None

Expected Results:

Ecology's Technical Resources for Engineering Efficiency (TREE) program completes evaluations that suggest quantifiable waste reductions for six industrial facilities in the Puget Sound basin during the biennium.

Department of Fish and Wildlife

Agency: Fish and Wildlife

Budget Code Title: Long-Term Monitoring of Puget Sound Marine Birds and Waterfowl

Total Proposed Funds: \$175,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed t Enhancemt	Funding Source	Priorities & Results	PS Plan Program
DFW-01	\$175,000			GF-S	The Role of Science <u>Strategies:</u> 1, 2, 3 <u>Results:</u> 1, 2, 4, 5, 6	MR PS/GB

Program description: The inner marine waters of Washington State are host to key concentrations of highly diverse and significant portions of the Pacific Flyway's populations of marine birds and waterfowl, indicators of the marine ecosystem's health. Monitoring data gathered between 1992 and 2004 in Puget Sound have documented significant declines over more than 20 years in 13 of the 18 species evaluated. A number of these species have declined significantly, some as much as 80-95%. Monitoring data are critical to monitor recovery, evaluate differences in sub-regions, help direct specific management efforts, and assist WDFW in maintaining state, federal, and international partnerships.

Proviso funded activities: Continued use of aerial surveys, following the stratified random survey design and coverage, directed by past scientific review, which has been used throughout 1992-2004 winter aerial bird surveys in the inner marine waters of Washington. Provide relative density indices, summaries, analyses, map products, and interpretation of monitoring data for ongoing management programs and integration into PSAMP and other programs, partnerships, and collaborations.

Expected results:

1. Provide status and trends data for select groups of wintering marine bird and waterfowl species, that have significant indigenous populations utilizing greater Puget Sound. (8: Results: 1, 2).
2. Make data available in GIS format accessible to the public. (8: Results: 4, 5).
3. Inform the public and managers through dissemination of results and analyses at research conferences, meetings, and reports. (8: Results: 4, 5).
4. Determine what habitats, patterns of distribution, and mortality factors impact declining species of concern most and use these to help develop management actions that would minimize declines and support recovery. (8: Results 1, 5, 6.)

Agency: Fish and Wildlife

Budget Code Title: Sound-wide Technical Assistance for Water Quality and Habitat

Total Proposed Funds: \$150,000

Budget Code	Carry Forward Proviso Funds	Con- tinuing Other Funds	Proposed Enhancemt	Funding Source	Priorities & Results	PS Plan Prgram
DFW-02	\$150,000			GF-S	Priority 5: B4, D1, D2, D3. Priority 6: A1, A2, A3, A4, B2, B3, B4, C1. Priority 7: B1	MFH

Program Description: Provides lead and coordination for technical assistance for major Puget Sound marine development projects. Ensures that marine and nearshore habitat for fish and associated process attributes are protected and maintained through agency representation, interagency coordination, technical assistance, policy application and regulatory recommendations during early planning, implementation, and follow-through for complex marine projects (e.g. public ports, WSDOT ferry terminals, waterfront development, major marinas, etc.).

Provides agency representation and coordinates regional technical support for protection of fish and habitat during Federal (CERCLA) and state (MTCA) cleanup actions of contaminated marine sediments. Participates as state co-trustee for Natural Resource Damage Assessment (NRDA) in Puget Sound.

Proviso funded activities: Provides technical expertise and policy application for issues affecting Puget Sound marine and nearshore habitat. Disseminates and applies current monitoring and research findings to facilitate scientifically based decision-making and resource protection in review and permitting of development projects and associated mitigation. Facilitates external coordination with other state and federal agencies, tribes, and ports to enhance cooperation and effectiveness in protecting, enhancing, and restoring marine and nearshore habitats. Coordinates staff technical support to facilitate consistency and use of best available science. Provides support for Puget Sound marine-related GMA concerns.

Expected Results: Coordinated agency approaches to remediation of contaminated sediments, including protection of fish during remedial activities and restoration of important nearshore habitats following remediation. Reduced use of treated wood products in Puget Sound through continued education, recommendation of alternative materials use, and support of removal of existing treated materials. Protection of shorelines and other critical areas will continue through coordination and availability of technical assistance to shoreline owners, developers, and public ports, in addition to interagency and tribal communication on major marine projects, including restoration. Enhanced protection of eelgrass and other marine vegetation through agency representation in the effort to develop a statewide sea grass management and conservation plan. Improved protection of shorelines through continued education of local government staff, developers, and citizens to increase their awareness and appreciation of shoreline processes, habitat functions, and ecological relationships important to shoreline health. Technical support for implementation of projects that restore natural habitat forming processes, increase the area of tidally influenced

estuarine wetlands, and improve riparian conditions. Improved consideration and implementation of process-based restoration objectives through agency representation in the review of large-scale mitigation projects, Natural Resource Damage Assessment decision documents, and waterfront redevelopment projects in Puget Sound.

Agency: Fish and Wildlife

Budget Code Title: Local Technical Assistance for Water Quality and Habitat

Total Proposed Funds: \$650,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
DFW-03	\$650,000			GF-S	Priority 5: A1, D1, D3. Priority 6: A1, A2, A3, A4, B3, C1, D1. Priority 7: B1	MFH, WP

Program Description: These positions serve as part of the Watershed Stewardship Team and provide technical assistance in Puget Sound to: 1) local governments, 2) local salmonid recovery groups (Lead Entities, Regional Fishery Enhancement Groups), 3) watershed groups, 4) environmental and neighborhood organizations, and 4) the interested public regarding salmonid protection and restoration projects. Working with these local groups they assist in the development of estuary, nearshore, freshwater and marine shoreline habitat protection and restoration projects, seek funding for projects, and participate in watershed planning and review of shoreline master programs.

Proviso funded activities: Provide technical assistance within Puget Sound watersheds to local governments, salmonid recovery groups and the interested public to conserve, protect, and restore freshwater, marine, and nearshore habitats for salmon, forage fish, and other species that utilize these areas. Assist Lead Entities with evaluation, design, and submittal of proposed habitat restoration projects to the SRF Board, ALEA, and IAC for funding. In addition, WDFW Watershed Stewards coordinate with agency technical experts to address specific Lead Entity needs for salmon recovery planning, forage fish spawning habitat protection, restoration of riverine and nearshore processes, and other associated priorities.

Expected Results: Continued funding and implementation of scientifically sound habitat conservation and restoration projects including freshwater, marine, nearshore and riparian areas. On-going technical assistance to local governments, Lead Entities, and the interested public facilitating understanding and use of current scientific principles in the protection, restoration and regulation of important habitats. An increased focus on addressing habitat forming processes during project formulation, design and implementation. Continued coordination within WDFW and between natural resource agencies, tribes, environmental organizations, and interested citizens to maximize opportunities and achieve broad support for conservation and restoration projects.

Agency: Fish and Wildlife

Budget Code Title: Aquatic Nuisance Species and Ballast Water Programs

Total Proposed Funds: \$170,000

Budget Code	Carry Fwd Proviso Funds	Continuing Other Funds	Proposed Enhancemt	Funding Source	Priorities & Results	PS Plan Program
DFW-04	\$170,000			GF-S	Priority 5: B-5 and -7 and Priority 6	ANS 1-6

Program description: This Program is part of the state, Western Regional Panel, National and International efforts to deal with Invasive Species through: ballast water exchange and treatment development; monitoring and reporting from shipping industry activities; and outreach education, regulatory prevention and control measures of aquatic nuisance species crossing state borders.

Proviso funded activities: Specifically this activity supports elements of the state ballast water program and the aquatic nuisance species program. Provides for staff representation on legislatively established work groups and committees as well as regional, national and international representation. Outcomes are legislatively mandated reports and implementation assignments plus planning activities and action plan development.

Expected results: PSAT Priority 5 at B5 and 7: A report on ballast water management will be produced to the legislature as required by law in December of 2006. Implementing state rules on ballast water and aquatic nuisance species should further minimize the risk of non-native species introductions. PSAT Priority 6: Develop a rapid response plan for new detections of invasive species.

Agency: Fish and Wildlife

Budget Code Title: Puget Sound Marine Fish Recovery

Total Proposed Funds: \$680,000

Budget Code	Carry Forward Proviso Funds	Con-tinuing Other Funds	Proposed Enhancemt	Funding Source	Priorities & Results	PS Plan Program
DFW-05	\$680,000			GF-S	7: C, E, F, the role of science	MFH8,9; R1.1, PS/GB-1

Program description: This program continues the basic scientific approaches to stock assessment, long-term monitoring, and management of Puget Sound groundfish populations. Agency staff use a variety of fishery dependent and independent information to determine the status of fish populations by comparing abundance estimators over time; analyzing trends in biological parameters such as age, growth and mortality schedules; and developing quantitative models that predict the impacts of harvest strategies on future population levels. Catch and fishery data are analyzed and regional surveys are conducted to estimate fish abundance and biological conditions. The role of marine reserves (marine protected areas) is also investigated as a research and ecosystem management tool. These activities provide the basis for fishery management actions that are based upon developing groundfish conservation plans.

Proviso funded activities: A stratified-random trawl survey of two sub-basins of northern or southern Puget Sound or adjacent Canadian waters annually that provide biomass estimators for English sole, other flatfish, Pacific cod, and other groundfish. A near-shore, quantitative video survey of rocky habitats to: estimate the abundance; and, define the distribution of rockfish, lingcod, and other rocky habitat species. Conducted annually in one to two sub-basins of Puget Sound. Monitoring commercial and recreational harvests, including enhanced biological sampling of recreationally caught marine fishes. Monitoring WDFW marine protected areas for trends in fish abundance, spawning activity, and size distributions, identifying potential rockfish conservation areas, evaluating role of marine protected areas as a management tool. Conduct comprehensive stock assessments, fishery reviews, and modeling for selected groundfish stocks identifying appropriate fishery management regulations and limiting factors for sensitive species such as Pacific cod and spiny dogfish. Provide fish tissue samples for toxic contaminant assessments and ongoing contaminant monitoring. Marine fish stock identification studies. Responding to Hood Canal fish kill reports and conducting scuba, video, and trawl studies at marine reserves, near-shore rocky habitats, and soft-bottom habitats throughout Hood Canal.

Expected results: Two annual bottom trawl surveys, each with 100 stations, covering two sub-basins of northern or southern Puget Sound or adjacent Canadian waters. Two technical reports detailing the results and trends obtained from past bottom trawl surveys. One peer-reviewed scientific paper detailing the results changing communities, trends, or other results obtained from bottom trawl surveys in Puget Sound. Create two annual quantitative video surveys on near-shore rocky habitats in two sub-basins of Puget Sound. Write a technical report that details the results of quantitative video surveys in Puget Sound. One peer-reviewed scientific paper detailing the techniques, abundance patterns, or habitat relationships obtained from quantitative video surveys. Surveys of all WDFW sub-tidal marine protected areas and intensive surveys of key reserves and adjacent fished sites in the San Juan Archipelago, Hood Canal, and Puget Sound. Author a peer-reviewed scientific paper detailing the results from past and current marine reserve studies. Create a map of the distribution and suitability of near-shore rocky habitats and recommendations for 6 rockfish conservation areas. Conduct two studies on marine fish stock identification using tagging, genetic marks, or microchemistry analysis. Collect one thousand age, genetic, and biological samples from recreationally caught rockfish, lingcod, and other marine fish. Provide ten observations of catch and by-catch from commercial fisheries. Promulgate permanent or emergency regulations modifying or restricting the harvest of sensitive groundfish species. Develop two collaborations with extra-agency scientists elaborating on aspects of groundfish surveys, results, or cooperative investigations. Draft two new groundfish conservation plans for key species detailing the status, fishery, and needs to recover or maintain healthy populations.

Agency: Fish and Wildlife

Budget code title: Deschutes Estuary Feasibility Study

Total proposed funds: \$250,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancemt	Funding Source	Priorities & Results	PS Plan Program
DFW-06	\$250,000			GF-S	Priority 6, A.1, and A.4.	MFH

Program description: Increasing costs associated with sediment removal, control of invasive aquatic weeds, and concerns about water quality have caused General Administration (GA) to investigate alternatives to the long-term costs associated with maintaining Capitol Lake. Those alternatives include full or partial restoration of the historic estuary by removal or alteration of the tidegate. Last year GA approved initiation of a feasibility study to evaluate the social and ecological costs and benefits of restoring the estuary. The study is designed to determine the best long-term aquatic environment for Capitol Lake and the Deschutes River estuary. It will evaluate the possibility of a restored estuary as an alternative to the continued management actions necessary to maintain a lake in this setting. The study is part of the Capitol Lake Adaptive Management Plan developed by a steering committee made up of state and local agencies that collaboratively support this budget request.

Proviso funded activities: Provides for study and project management oversight. Allows for timely public meetings to gather public input and to report when the results of various tasks are complete. Accommodates a broad range of possible estuary designs that will then be compared to the characteristics of known estuary types. Designs that match site conditions with self-sustaining, productive reference estuaries would move forward to the net benefit analysis. Conducts net benefit analyses that examine the community, economic, engineering, and biological benefits and costs of each of the designs. Evaluates short and long-term benefits and consequences. Considers such things as the transition effects from lake to estuary, the long-term consequences to the lake without dredging, and the practical, including financial, implications of a long-term dredging scenario will be considered. Incorporates an independent review process to review completed tasks of the feasibility study scope of work.

Expected results: The study will enhance the decision-making process for how Capitol Lake will be managed in the long-term.

Agency: Fish and Wildlife

Budget Code Title: Orca Conservation, Recovery and Monitoring

Total Proposed Funds: \$300,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
DFW-07			\$300,000	GF-S	Priority 7: A:1, 2, E:1, F:1, the role of Science	MR PS/GB EPI

Program description: The southern resident orca population that occurs in the marine waters of Washington State and Canada has undergone an 18% decline in recent years. The Washington Fish and Wildlife Commission and Canada have listed it as an endangered species, it has been designated as a depleted stock by NOAA Fisheries, and it is under a second review for possible listing under the federal Endangered Species Act. Contaminants, harassment, and prey declines have been identified as possible factors in the decline. The WDFW and PSAT partners have a role in developing and implementing recovery strategies and actions to achieve orca recovery. This project will complete and begin implementing an orca recovery plan with specified management actions and an identified schedule. Research needed to aid conservation and recovery of the orca will be conducted, information transferred to federal, state, tribal and local governments and citizens and the status and trends of recovery of the endangered orca population will be monitored.

Proviso funded activities: Complete a state recovery plan for the orca in Washington. Work with NOAA Fisheries and Department of Fisheries and Oceans Canada to develop and implement orca recovery/conservation plans. Continue contaminant monitoring in upper trophic level marine mammals (harbor seals) to monitor contaminant levels and types in the Puget Sound ecosystem inhabited by orcas. Conduct studies of orca diet and winter distribution and input orca sightings into the WDFW data system, including use and support of volunteer citizen science. Educate boaters and whale-watchers to prevent harassment of orcas.

Expected results: Increase orca numbers and contribute to recovery of the endangered population. This project would identify and implement recovery actions needed to restore the orca population in Puget Sound to healthy levels. A recovery plan would be developed for the orca in Washington and identified recovery actions for the state would be implemented. Scientific information will be made available to make management decisions affecting the orca and the Puget Sound ecosystem they occupy. Long-term benefits will be the protection and increase in numbers of the orca population to achieve recovery levels. (All related to Priority 7: Results A, E, F.)

Agency: Fish and Wildlife

Budget Code Title: Forage Fish Spawning Habitat Inventory Project

Total Proposed Funds: \$350,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
DFW-08	\$350,000			GF-S	Priority 7: C1, C2, E1, F1.	MFH

Program Description: Forage fish (surf smelt, sand lance, and herring) populations spawn on certain reaches of the shoreline and nearshore bottomlands throughout the Puget Sound basin. These spawning habitats are vulnerable to degradation from human shoreline development activities (much has already been damaged or lost).

WDFW staff has developed effective field and lab protocols for the detection and documentation of forage fish spawning sites and have conducted (along with other entities) habitat surveys throughout Puget Sound. Unfortunately, there remain several significant gaps in geographical coverage that this project would be able to close (e.g., eastern shore of Kitsap County, Pierce County, southern Hood Canal).

Proviso funded activities: Further surveys of potential forage fish spawning sites within the Puget Sound basin. The project would also entail public out-reach/education efforts in the form of oral presentations, school class field trips, participation in informational workshops, as well as development and distribution of project reports. There would also be the opportunity for local volunteer groups and staff of other agencies to participate in the field surveys. Project staff would accept and respond to approximately 200 requests annually for forage fish information from entities both within and outside WDFW.

Expected Results: Increased conservation and protection of nearshore habitats that support forage fish spawning through improved awareness of spawning locations, access to survey information, evaluation of un-surveyed sites, and transfer of research results to others agencies, tribes, local governments and citizens.

Agency: Fish and Wildlife

Budget Code Title: Census of Burrow-nesting Seabirds in Puget Sound

Total Proposed Funds: \$150,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
DFW-09	\$150,000			GF-S	Section 8: The Role of Science <u>Strategies:</u> 1, 2 <u>Results:</u> 2, 4, 5, 6, 7, 8	MR PS/GB

Program description: Rhinoceros auklet and tufted puffin are two species of burrow-nesting seabirds that occur within Puget Sound. Both species have declined in Washington State, as well as other regions along the eastern North Pacific Ocean. The tufted puffin decline in Washington has been precipitous; this species is listed as a

Species of Concern and a Candidate Species by WDFW. There is a need to document the population trends in Puget Sound; first, to confirm the dramatic decline of tufted puffins. Secondly, to help understand why species with very similar habits are experiencing these trends in Washington and what we might do to help.

Proviso funded activities: Conduct surveys early in the breeding season (May-June) and again at the peak of breeding (July-August) centered on Protection and Smith islands, and strip (linear surveys) between these two islands. A minimum of two replicates will be conducted around each island at each of four time periods: dawn, midmorning, afternoon, and dusk. If possible, and with the cooperation of USFWS, will be ground-truthed on-colony at both Protection and Smith islands. Environmental data will be collected simultaneously with the bird census data.

Expected results:

- Conduct detailed at-sea surveys of rhinoceros auklets and tufted puffins in the waters around and between Protection and Smith islands
- Assemble population estimates for rhinoceros auklets and tufted puffins
- Relate population estimates to environmental parameters and availability of food resources
- Organize a coordinated effort among federal, state, tribal, and university biologists to better understand the decline of these burrow-nesting seabirds in Puget Sound waters and direct recovery action

Agency: Fish and Wildlife

Budget Code Title: SalmonScape Application for Forage Fish

Total Proposed Funds: \$30,000 (0.2 FTE)

Budget Code	Carry Fwd Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
DFW-10	\$30,000			GF-S	Priority 7: C2, E1, F1.	MFH

Program Description: Forage fish (including herring, surf smelt, and sandlance) serve as an important food item for salmon. Forage fish preferentially deposit their eggs on intertidal beaches and are therefore highly susceptible to impacts from shoreline development. WDFW has surveyed most Puget Sound shorelines and documented the presence/absence of appropriate substrates and eggs. Recent advances in web-based GIS applications provide an opportunity to make these data directly and quickly available to the public, planners, and other agencies via SalmonScape.

SalmonScape is WDFW's interactive computer mapping system created to deliver scientific information to those involved in on-the-ground salmon recovery projects. SalmonScape is available at: <http://wdfw.wa.gov/mapping/salmonscape/>.

Proviso funded activities: The existing forage fish data require analysis, formatting and programming through SSHIAP (Salmon and Steelhead Habitat Information and Assessment Program) to prepare it for inclusion into SalmonScape. Funding would allow the completion of these tasks by WDFW and thereby provide planners, resource agency staff, tribes, and the interested public ready access to existing survey information

for their geographic area of interest. The project would be completed by November 2005.

Expected Results: Increased conservation and protection of nearshore habitats that support forage fish spawning through improved awareness and access to survey information.

Agency: Fish and Wildlife

Budget code title: Burlington Northern Railroad/Early Action Projects Feasibility

Total proposed funds: \$100,000

Budget Code	Carry Fwd Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
DFW-11	\$100,000			GF-S	Priority 6, A.1, and A.4.	MFH

Program description: Burlington Northern is one of the largest property owners in the Puget Sound Nearshore study area. The rail line runs for nearly two hundred miles along the shore of Puget Sound, from the Nisqually Delta to the Canadian Border. Numerous small coastal streams intersect the railroad line, with potential impacts to associated pocket estuaries, transport of fluvial sediments, and fish passage. Sediment transport replenishes sand and gravel substrates, which provide nourishment to Puget Sound beaches. Most of the major nearshore ecosystem types identified by The Puget Sound Nearshore Ecosystem Restoration Project (PSNERP) have been impacted to varying degrees along the length of the railroad.

Proviso funded activities: Lead Entities and local watershed groups have proposed to conduct inventory and assessment work along the railroad. The general consensus is that an assessment of the entire rail line makes the most sense, however existing funding mechanisms are focused on intra-watershed studies.

Enhancing sediment transport and beach nourishment have been identified as a major “management measures” for the restoration of natural functions in the Puget Sound. PSNERP science team members need to better understand the contributions of sediment transport to beach nourishment, drift cell function, and habitat.

Expected results: PSNERP will establish a technical team to apply the conceptual model to identify and prioritize opportunities to enhance or re-establish sediment transport along the rail line. In addition, the Nearshore Science Team (NST) will develop a model to predict the effect of the proposed projects and to develop a monitoring program to refine the model for future applications in other sediment transport projects

The PSNERP Project Management Team will recruit a point person and convene a technical team from interested state and federal agencies, local watershed groups, and Burlington Northern to develop a work plan for an inventory and assessment of BNSF properties along the Puget Sound shoreline. The Technical Team will identify priority projects to enhance sediment transport and beach nourishment along the railroad. The NST will also develop a scope of work for a monitoring and adaptive management plan.

Agency: Fish and Wildlife

Budget code title: Puget Sound Nearshore Restoration Project

Total proposed funds: \$400,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancemt	Funding Source	Priorities & Results	PS Plan Program
DFW-12	\$108,427		\$291,573	GF-S	Priority 6 and B.1	MFH

Program description: This program will analyze the combination of spatially explicit large-scale restoration actions from a broad list of candidate projects. The evaluation of these proposed large scale restoration actions will require federal assistance through the US Army Corps of Engineer's planning formulation process, i.e. General Investigation (GI).

The GI study process provides the opportunity to study and recommend other actions outside restoration, including protection of nearshore areas or changes in shoreline management.

It is anticipated that the list will be an iterative process, and that future actions will become more specific as the results of already implemented demonstration projects emerge.

Proviso funded activities: Funding appropriated will provide local sponsor project management and in-kind state match to Stage II technical studies.

Expected results: We anticipate development of a list of strategic, process-based, ecosystem scale restoration actions. These actions are organized as portfolios, or a series or grouping of different action types for a particular portion of the Puget Sound Nearshore.

Portfolios will be developed in response to the Strategic Needs Assessment (what needs to be done where) and the Restoration Objectives (how much needs to be done). The Nearshore Portfolio is considered to include both large-scale restoration actions requiring significant new federal assistance (GI Portfolio or top-down planning) and smaller scale actions that would be implemented at local or community scales (bottom-up) of action.

Agency: Fish and Wildlife

Budget Code Title: Puget Sound Technical Assistance: Environmental Engineering

Total Proposed Funds: \$170,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
DFW-13			\$170,000	GF-S	Priority 5: C2, D2, D3 Priority 6: A1, A2, A3, A4. Priority 7: B4	MFH

Program description: This position provides environmental engineering technical assistance in Puget Sound to local governments, local salmonid recovery groups (Lead Entities, project sponsors), watershed groups, WDFW biologists, including Watershed

Stewards, and others regarding engineering design of salmonid protection/restoration projects, and other freshwater, estuary, nearshore, and marine shoreline habitat projects. Also, provide environmental engineering technical assistance related to hydropower relicensing in the Puget Sound region. Environmental engineering technical assistance will help ensure that freshwater and estuarine habitat restoration projects are designed and constructed in a manner that promotes resource protection and ecological function.

Proviso funded activities: Provide environmental engineering technical assistance to:

- WDFW biologists and to HPA applicants on complex project proposals that have potential to adversely affect habitat, to identify and promote project design alternatives that provide increased habitat protection,
- Lead Entities and habitat project sponsors to promote habitat project development and design that is consistent with project guidance advocated by WDFW that results in permitable projects that protect natural resources and ecological function,
- Lead Entities, and local, state, and federal governments to develop habitat restoration guidelines, plans, and strategies that will programmatically provide environmental protection, and
- Hydropower relicensing efforts to ensure that mitigation project intent and designs protect resources.

Expected Results: Provide environmental engineering technical expertise to:

- Ensure successful planning and implementation of engineering projects on the parts of county/city governments and local organizations for estuary, nearshore, marine shorelines, and freshwater habitat projects,
- Local governments and HPA permit applicants to promote protection of wetland functions,
- Shoreline landowners, consultants, and developers to promote alternatives to traditional “hard” methods of shoreline protection,
- Reuse of Aquatic Guidelines guidance to local governments, real estate professionals, developers, and citizens to increase their knowledge, skills, and motivation to implement practices to better protect shorelines and other ecologically sensitive areas, including restoration and stewardship voluntary actions,
- Project sponsors on proposed projects to restore natural habitat forming processes that will increase the area of tidally and seasonally influenced estuarine wetlands, projects that restore riparian habitat and function, projects that correct fish passage barriers, and projects that restore and protect natural shoreline sediment delivery functions,
- Hydro-relicensing projects to ensure that the mitigation efforts are consistent with salmon recovery goals.

This effort will provide environmental technical assistance an approximately 150 habitat project proposals, 10 guidelines/strategies/plans, and 6 hydropower relicensing efforts per year.

Agency: Fish and Wildlife

Budget Code Title: Ecoregional Assessment Implementation – Assistance to Counties

Total Proposed Funds: \$400,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancemt	Funding Source	Priorities & Results	PS Plan Program
DFW-14			\$400,000	GF-S	Priority 5: <u>Results:</u> A1, B8, C1	EM WP PS/GB MFH

Program description: More than 50% of the land in the Puget Trough has been converted to urban and agricultural uses. Land use activities in the associated uplands affect Puget Sound waters and fish and wildlife populations. County governments have the authority to guide and control growth and land use across the landscape. Under the Growth Management Act, Puget Sound counties are required to update their critical areas ordinances by the end of 2005. WDFW has significant new data relevant to this effort. The Puget Trough Ecoregional Assessment compiled most of these data and prioritized terrestrial, freshwater, and nearshore habitats of ecoregional significance. To help implement the ecoregional assessment, WDFW developed a pilot project in Kitsap County that maps the relative value of habitats within the county and integrates areas of ecoregional significance with habitats of local importance. This funding would allow WDFW to provide other Puget Sound counties with the same level of priority habitat mapping to use in comprehensive land use plans and critical areas designation. This project also fulfills the recommendation of the State Biodiversity Conservation Committee to “provide greater support to local government in conserving biodiversity”.

Proviso funded activities: Develop local habitat assessments for Puget Sound counties. Incorporate nearshore habitat mapping into this computer-based GIS product that can be updated in the future. Develop landscape-scale habitat management recommendations to help counties protect priority habitats.

Expected results: 1) Support counties in protecting biological diversity by prioritizing terrestrial, freshwater, shoreline, and nearshore habitats as well as designing land-water habitat linkages to maintain viable fish and wildlife populations. 2) Facilitate state, federal, and local agencies and land trusts to focus and coordinate limited acquisition and restoration funds in the highest priority areas. 3) Provide landscape management recommendations on how to manage these areas. (All related to Priority 5: Results A1, B8, C1.)

Agency: Fish and Wildlife

Budget Code Title: Puget Sound Marine Fish Recovery

Total Proposed Funds: \$800,000 and 4.67 FTE's

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancemt	Funding Source	Priorities & Results	PS Plan Program
DFW-15			\$800,000	GF-S	7: C, E, F	MFH8 &9, R1.1, & PS/GB-1

Program description: This program expands the basic scientific approaches to stock assessment, long-term monitoring, and management of Puget Sound marine fish populations to include monitoring key species or areas that are not currently assessed. These activities will improve the scientific basis for marine fish management that will lead to large-scale synoptic surveys and the development of measurement parameters for demographic models of key fish species. These models and enhanced survey results will improve fishery management decisions that balance harvest rates with mortality and demographic schedules that are not currently obtainable at existing funding levels.

Proviso funded activities: Agency staff will expand existing bottom trawl and video surveys to gain a synoptic picture of groundfish abundance on a basin-wide scale annually. Current base funding only allows for surveys in portions of northern or southern Puget Sound. While current survey results are useful, they only capture a portion of the populations that inhabit whole portions of northern and southern Puget Sound. In addition, current baseline surveys do not sample near-shore habitats less than 30 feet in depth. A new bottom trawl survey of the shallow near-shore area will provide, for the first time, the ability to estimate the abundance of near-shore marine bottomfish on a regional scale that will complement the larger on-going bottom trawl surveys. This enhanced funding will also re-institute scientific acoustic surveys for Pacific whiting, an ESA Candidate species, and ensure that acoustic surveys for Pacific herring will continue. Recreational monitoring of marine fish catches will be further expanded and a special program monitoring rockfish recruitment will be instituted.

An expanded near-shore quantitative video survey of rocky habitats will be conducted to estimate the abundance and define the distribution of rockfish, lingcod, and other rocky habitat species on a basin-wide scale within one year. This survey will complement the current effort level of video survey so that the northern and Puget Sound basins can be surveyed every year on a rotating basis. The surveys will be in the same regions as the bottom trawl surveys.

Trawl and video surveys will be conducted every other year in Hood Canal and will provide information to help evaluate the impact of low dissolved oxygen on marine life. Assess the abundance Pacific whiting in Port Susan and adjacent waters using an acoustic mid-water trawl survey. Assess the abundance of Pacific herring in Puget Sound, particularly for Cherry Point stock, using an acoustic mid-water trawl survey.

Expected results:

- Conduct two annual bottom trawl surveys, each with 100 stations, covering two additional sub-basins of Puget Sound or adjacent Canadian waters.

- Write two technical reports detailing the results and trends obtained from basin-wide surveys. Complete a survey of near-shore waters (0 to 30ft depth) that complements the large bottom trawl survey.
- Create abundance estimates of small and near-shore bottomfish.
- Two annual quantitative video surveys on near-shore rocky habitats in two sub-basins of Puget Sound to complement trawl surveys.
- Write one technical report detailing the results of quantitative video surveys in Puget Sound.
- Conduct three surveys of Pacific whiting spawning aggregations in Port Susan and adjacent waters.
- Develop a technical report summarizing past and present survey techniques and activities with a current stock assessment.
- Conduct six surveys of Pacific herring populations in Puget Sound. Develop a technical report summarizing past and present survey techniques and activities with a current stock assessment.
- Develop a pilot program to develop rockfish recruitment index sites and methodologies with one biennial report on activities.
- Update Herring Conservation Plan detailing the status, fishery, and needs to recover or maintain healthy populations.

Agency: Fish and Wildlife

Budget Code Title: Fish Contaminant Monitoring

Total Proposed Funds:

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancemt	Funding Source	Priorities & Results	PS Plan Program
DFW-16	placeholder			GF-S	Priorities 1, 2, 3, Role of Science	MFH, S, MR

Program Activities:

Proviso funded activities:

Expected results:

Department of Health

Agency: Health

Budget code title: Monitoring, data management and reporting

Total proposed funds: \$467,050

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
DOH-01	\$464,800		\$3,050	GF-S	Priority 3 –A1 Priority 4 – A1, B2, B3, the Role of Science	SH

Program description: Shellfish Program -The Shellfish Program’s mission is to protect and improve the health of the people in Washington by preventing their exposure to contaminated shellfish. Major elements include: the regulation of commercial shellfish operations; classification of commercial and recreational shellfish growing areas; pollution source evaluations; biotoxin and water quality monitoring in shellfish areas; illness investigations; restoration of sanitary conditions in shellfish growing areas; and participation in the Puget Sound Ambient Monitoring Program (PSAMP).

To accomplish this, the program works in partnership with Tribes, local health jurisdictions, volunteer groups, state and federal agencies, and the shellfish industry.

Proviso funded activities: DOH participates in this program through its water quality and biotoxin monitoring programs. Program staff collect water quality and biotoxin data and analyze it to help meet the PSAMP goals to assess the health of Puget Sound, identify existing environmental problems, provide data to measure the success of environmental programs, provide a permanent temporal record of changes in key environmental indicators in Puget Sound and to support research activities by making available scientifically valid data.

Expected Results:

1. Improved water quality conditions and less restrictive shellfish harvest classifications in one shellfish growing area threatened or degraded by stormwater runoff.
2. Shellfish growing area improvements:
 - a. Improved water quality conditions result in less restrictive shellfish harvest classifications for 1,000 acres.
 - b. Improved water quality conditions and less restrictive harvest classifications in two shellfish growing areas threatened or degraded by concentrations of onsite sewage systems.
3. Eight restoration projects are conducted in commercial shellfish areas identified as “threatened.”
4. Five percent of the “threatened” commercial growing areas from the prior year’s Early Warning List are no longer identified as “threatened.”
5. Use water quality data collected under the Puget Sound Ambient Monitoring Program to identify threats to human health from contaminated shellfish. Analyze water quality data for status and trends in 100% of the shellfish growing areas and distribute the information to local programs, decision makers and other stakeholders.

Agency: Health

Budget code title: Protection and restoration of shellfish beds

Total proposed funds: \$953,300

Budget Code	Carry Forward proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding source	Priorities & Results	PS Plan Program
DOH-02	\$936,300		\$17,000	GF-S	Priority 3 – A1 Priority 4 – A1, B2, B3, the Role of Science	SH

Program description: Shellfish Program - The Shellfish Program's mission is to protect and improve the health of the people in Washington by preventing their exposure to contaminated shellfish. Major elements include: the regulation of commercial shellfish operations; classification of commercial and recreational shellfish growing areas; pollution source evaluations; biotoxin and water quality monitoring in shellfish areas; illness investigations; restoration of sanitary conditions in shellfish growing areas; and participation in the Puget Sound Ambient Monitoring Program (PSAMP). To accomplish this, the program works in partnership with Tribes, local health jurisdictions, volunteer groups, state and federal agencies, and the shellfish industry.

Proviso funded activities: DOH monitors water quality and evaluates pollution sources in selected shellfish areas to provide information needed to restore sanitary conditions. Health works closely with local health jurisdictions (LHJs) and Ecology to investigate pollution sources and to assist in developing closure response plans and watershed action plans. DOH has developed strategies to ensure that LHJ's and other stakeholders are kept informed of the status of water quality and pollution sources in shellfish growing areas to enable early response to declining conditions.

Expected Results:

1. Improved water quality conditions and less restrictive shellfish harvest classifications in one shellfish growing area threatened or degraded by stormwater runoff.
2. Shellfish growing area improvements:
 - a. Improved water quality conditions result in less restrictive shellfish harvest classifications for 1,000 acres.
 - b. Improved water quality conditions and less restrictive harvest classifications in two shellfish growing areas threatened or degraded by concentrations of onsite sewage systems.
3. Eight restoration projects are conducted in commercial shellfish areas identified as "threatened."
4. Five percent of the "threatened" commercial growing areas from the prior year's Early Warning List are no longer identified as "threatened."
5. Use water quality data collected under the Puget Sound Ambient Monitoring Program to identify threats to human health from contaminated shellfish. Analyze water quality data for status and trends in 100% of the shellfish growing areas and distribute the information to local programs, decision makers and other stakeholders.

Agency: Health

Budget code title: Recreational shellfish program

Total proposed funds: Non-proviso \$689,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
DOH-03		\$676,000	\$13,000	GF-P/L	Priority 3 – A1 Priority 4 – A1	SH

Program description: Shellfish Program – The Shellfish Program's mission is to protect and improve the health of the people in Washington by preventing their exposure to contaminated shellfish. Major elements include: the regulation of commercial shellfish operations; classification of commercial and recreational shellfish growing areas; pollution source evaluations; biotoxin and water quality monitoring in shellfish areas; illness investigations; restoration of sanitary conditions in shellfish growing areas; and participation in the Puget Sound Ambient Monitoring Program (PSAMP).

To accomplish this, the program works in partnership with Tribes, local health jurisdictions, volunteer groups, state and federal agencies, and the shellfish industry.

Non-Proviso funded activities (local fees): DOH works with local health jurisdictions to: classify recreational shellfish beaches; assist in biotoxin monitoring; and provide health information to the public. DOH manages the biotoxin monitoring program and maintains a toll-free biotoxin hot line and an internet web site to inform the public of areas closed due to high biotoxin levels or pollution problems. DOH develops an *Annual Inventory of Commercial and Recreational Shellfish Beaches*. DOH develops and distributes educational information and participates in community events to share information regarding safe shellfish harvest. This component includes an enhancement of \$160,000 for pass-through funding to local governments.

Expected Results:

1. Improved water quality conditions and less restrictive shellfish harvest classifications in one shellfish growing area threatened or degraded by stormwater runoff.
2. Shellfish growing area improvements:
 - a. Improved water quality conditions result in less restrictive shellfish harvest classifications for 1,000 acres.
 - b. Improved water quality conditions and less restrictive harvest classifications in two shellfish growing areas threatened or degraded by concentrations of onsite sewage systems.
3. Use water quality data collected under the Puget Sound Ambient Monitoring Program to identify threats to human health from contaminated shellfish. Analyze water quality data for status and trends in 100% of the shellfish growing areas and distribute the information to local programs, decision makers and other stakeholders.

Agency: Health

Budget code title: On-site sewage management

Total proposed funds: \$1,304,778

Budget Code	Carry Forward proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding source	Priorities & Results	PS Plan Program
DOH-04	\$1,273,900		\$30,878	GF-S	Priority 4 — A1b, A2, C1, C2**, C3, F1, F2	OSS

Program description: The Wastewater Management Program's mission is to protect and improve the health of the people in Washington by assisting appropriate decision-making in the application of onsite sewage treatment technologies. Through the application of wastewater treatment technologies, matched to site conditions, combined with on-going operation & maintenance, onsite sewage systems meet the wastewater treatment infrastructure needs of the rural portions of Puget Sound and Washington State.

Proviso funded activities: The Wastewater Management Program (WWMP) provides technical assistance to citizens, Local Health Jurisdictions (LHJs) and the onsite sewage system design, installation, and service sectors. The program evaluates new and emerging technologies, develops standards and guidelines for their application, reviews and approves proprietary products, and works with the State Board of Health in the revising and updating of administrative code. The program also directly regulates community & commercial projects with daily design flows between 3,500 and 14,500 GPD, through the review and approval of project plans and oversight of on-going operation through the issuance of Operational Permits.

Expected Results:

1. Improved water quality conditions and less restrictive shellfish harvest classifications will occur due to improved application of onsite sewage system technologies, consistent with the new SBOH rules, DOH standards, guidance, and technical assistance. Fecal coliform loadings to Hood Canal will be reduced through the application of new standards.
2. By June 30, 2007, Puget Sound local health jurisdictions complete risk-based management plans for onsite sewage systems as required by revised State Board of Health rules, and begin their implementation. DOH will develop and share technical and administrative guidance to assist the development and implementation of these local planning efforts.
3. Number of local health jurisdictions able to create GIS maps to evaluate and manage concentrations of onsite sewage systems located adjacent to water bodies impaired by fecal or nutrient loadings increases to 8 of 12 jurisdictions by June 2007.
**Achieving this goal will require additional financial and technical resources. DOH will continue to actively work with PSAT, LHJs, and others to implement this data collection goal.
4. The DOH tracks long term management of large onsite sewage systems (LOSS) under the Operating Permit Program provided in revised State Board of Health rules. The DOH will continue with review, project approval, and operational oversight of Large Onsite Sewage Systems within the department's jurisdiction.
5. Water quality conditions will improve through the implementation of updated onsite sewage system rules. These rules include three separate chapters:
 - Chapter 246-272A — Small Onsite Sewage Systems (Under 3,500 GPD)
 - Chapter 246-272B — Large Onsite Sewage Systems (3,501 – 14,500 GPD)
 - Chapter 246-272C — Wastewater Tanks for Onsite Sewage Systems

Department of Natural Resources

Agency: Natural Resources

Budget code title: Nearshore habitat monitoring

Total proposed funds: \$1,652,050

Budget Code	Carry Forward proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DNR-01	\$1,306,950		\$345,100	ALEA	Priority 5: E1,E2,E4 Science Plan: Desired Results 1,2,4,5,6,7,8,and 9	MR

Program description:

This program is part of a larger monitoring effort, the Puget Sound Ambient Monitoring Program, that identifies multiple indicators to track the health of Puget Sound. This component monitors the status and trends of nearshore habitats (the shoreline). We are initially focusing on several plant species, (*Zostera marina*, and floating kelp species *N. luetkeana* and *M. integrifolia*) and the structure of intertidal biotic communities as indicators of nearshore habitat health.

Proviso funded activities:

- DNR tracks status and trends in eelgrass extent in Puget Sound yearly, and completes focus studies within each region every 5 years as part of a long-term program to monitor eelgrass condition.
- DNR expands its eelgrass monitoring to study linkages between eelgrass bed dynamics and stressors.
- DNR tracks status and trends in floating kelp abundance throughout Puget Sound as part of a long term monitoring program.
- DNR tracks biodiversity in intertidal biotic communities in central and southern Puget Sound and completes collaborative research with University of Washington on processes related to observed patterns in intertidal biodiversity.

Expected Results:

These actions will result in monitoring the progress towards achieving Priority 5: "Protect shorelines and other critical areas that provide important ecological functions".

- Track status and trends in eelgrass extent in Puget Sound yearly, and complete focus studies within one geographic region per year as part of a long term program to monitor eelgrass condition.
- Study eelgrass condition at high resolution and examines linkages between eelgrass bed dynamics and stressors (enhancement request).
- Track status and trends in floating kelp abundance throughout Puget Sound as part of a long term monitoring program .
- Track biodiversity in intertidal biotic communities at 9 sites in central and southern Puget Sound and complete collaborative research with University of Washington on processes related to observed patterns in intertidal biodiversity at 9 sites.

Agency: Natural Resources

Budget code title: Management of wetlands

Total proposed funds: \$36,000

Budget Code	Carry Forward proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DNR-02	\$36,000			GF-S	Priority 5:A.2, C.2	MFH

Program description: DNR Natural Areas Program manages sites to retain natural features and ecological function.

Proviso funded activities: Continue site visits and management by regional personnel and volunteers to wetland sites in the Puget Sound Trough, including Bald Hills NAP, Cypress Island NAP/NRCA, Dabob Bay NAP, Dailey Prairie NAP, Kennedy Creek NAP, Kings Lake Bog NAP, Shumocher Creek NAP, Snoqualmie Bog NAP, Skookum Inlet NAP, and Woodard Bay NRCA. Continue and increase the level of hydrologic monitoring at these sites and assess wetland functions (using Ecology's Wetlands Functions and Values Assessment Protocol).

Expected Results: Wetland sites in the Puget Sound Trough will be protected.

Agency: Natural Resources

Budget code title: Seagrass management plan

Total proposed funds: \$369,200

Budget Code	Carry Forward proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DNR-04 Statewide			\$369,200*	ALEA	Priority 5: B.4, the Role of Science	MFH

* This is a one-time request with no planned carry forward in the next biennium.

Program description:

This activity would develop a statewide seagrass management and conservation plan involving local, state and federal agencies, tribes, and other stakeholders. The plan would create an agreed-upon consistent approach for conservation, mitigation, restoration, and monitoring to protect this critical resource. It would impact proprietary actions (DNR land management, ESA compliance), regulatory decisions (Hydraulic Permit Applications (HPA), US Army Corps of Engineers Section 10 permits, Clean Water Act, Shoreline Management Act, Growth Management Act), private interests/industry (marine construction, marinas, aquaculture), and salmon recovery efforts (Shared Strategy, Lead Entities, DNR ESA Compliance).

Proviso funded activities:

Identify and get commitment of stakeholders to participate in plan development process.

1. Scope plan with stakeholders.
2. Gather and analyze other eelgrass plans (Texas, etc.) to use as models.

3. Gather and analyze eelgrass science information needed for plan.
4. Develop draft plan.
5. Elicit public input, respond, re-write plan.
6. Publish final plan.
7. Work with proprietary and regulatory agencies to implement plan. This may require rule making or new statutes.

Expected Results

These actions will result in achieving Priority 5 (Part B): "Protect shorelines and other critical areas that provide important ecological functions" by improving protections. The outcome would be a management and conservation plan that would be consistent, predictable, and protective of the resource. The plan would be completed in the '05-'07 biennium. This is a two-year only request for funding with no carry-over to the next biennium.

Agency: Natural Resources

Budget code title: Aquatic Reserves management

Total proposed funds: Non-proviso \$396,200

Budget Code	Carry Forward proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
DNR-05 Non proviso			\$396,200	ALEA	Priority 5: A2.	MFH

Program description:

The Aquatic Reserve Program helps DNR promote preservation, restoration, and enhancement of state-owned aquatic lands that provide direct and indirect benefits to the health of native aquatic habitat and species and other resources in the state of Washington.

The program enables DNR to establish Aquatic Reserves on selected state-owned aquatic lands throughout the state to protect important native aquatic ecosystems. These are to be aquatic lands of special educational or scientific interest, or lands of special environmental importance that are threatened by degradation (WAC 332-30-151).

Non- Proviso funded activities:

The DNR's Aquatic Resources Program is currently assessing four aquatic reserves at Maury Island, Cypress Island, Cherry Point and Fidalgo Bay to determine if they will continue to be reserves. All four have been recommended to continue as reserves by a technical advisory committee. A decision on the Maury Island Reserve is due this year with decisions on the remaining sites expected in 2005. This budget proposal will provide funding to implement the management plans for each site.

Expected Results:

This action will contribute towards achieving Priority 5: "Protect shorelines and other critical areas that provide important ecological functions" by habitat conservation.

Aquatic Lands Business Management – The proposal will support the efforts of two aquatic reserve site managers that will operate in the field to implement the management plans for four sites that have been recommended to remain aquatic reserves by the technical advisory committee in 2003. Site managers will also solicit and coordinate review of new aquatic reserve proposals made by the public, manage new sites in the Puget Sound region as they are established, coordinate research and monitoring efforts, and manage proposed uses to ensure their consistency with the management of the site.

Aquatic Lands Environmental Management –The proposal implements up to four aquatic reserve management plans for areas that have been identified as having unique regional and statewide aquatic resources. Implementation of elements of individual site management plans will: 1) protect unique and/or sensitive aquatic habitats and species; 2) reduce environmental impacts of DNR lessees; 3) coordinate aquatic reserve activities with local, state and federal regulators and citizens; 4) 5) Develop baseline inventories of natural resources at the site, 6) monitoring the effectiveness of Aquatic Reserves, 7) Establish incentive programs for adjacent private and public property owners that will promote voluntary stewardship to compliment the reserve, and 8) Develop and implement research projects to support the reserve sites.

Parks and Recreation

Agency: Parks and Recreation Commission

Budget code title: Marinas and Recreational Boating Facility Grants

Total proposed funds: \$450,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
PRC-01		\$450,000		GF-F	4.A.3, 4.C.5.	MB

Program description: The Statewide Boat Pump out – Clean Vessel Program is a federally funded program through the U.S. Fish & Wildlife Service. The purpose of the program is to assist public and private marinas in the establishment or replacement of recreational boat sewage disposal facilities.

Proviso funded activities: Proviso funds will be used to fund new or replaced pumpout facilities at public and private marinas.

Expected Results:

Award approximately \$450,000 in grants to 25 public and/or private marinas to install or replace pumpout and/or dump station units.

The amount of sewage collected will increase as existing facilities are improved and new facilities are added to the statewide network.

Agency: Parks and Recreation Commission

Budget code title: Boater education and public involvement

Total proposed funds: \$266,000

Budget Code	Carry Fwd Proviso Funds	Continuing Other Funds	Proposed enhancement	Funding Source	Priorities & Results	PS Plan Program
PRC-02	\$191,000			ALEA	2.D.2 4.F.2	MB
		\$75,000		GF-F	2.D.2 4.F.2	MB

Program description: The program is responsible for coordinating efforts to reduce the pollution from boaters of Washington's waters related to recreational boating activities.

Proviso funded activities:

The education-information function produces educational materials and develops public information to further promote environmentally responsible recreational boating.

Expected Results:

Provide maps at 150 boater access and destination sites showing boaters locations of boat sewage disposal facilities in Puget Sound. This is an on-going activity.

Distribute environmental information to boaters in partnership with Puget Sound Keeper Alliance (PSKA) and local law enforcement.

Distribute environmental information to boaters in the Hood Canal to help reduce this source of pollution.

Puget Sound Action Team Staff

Agency: Puget Sound Action Team Staff

Budget Code Title: Coordinate the work of the Puget Sound Action Team Partnership and Council for Puget Sound conservation and recovery

Total proposed funds: \$507,100

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
PSAT-01	\$373,100			WQA	Role of Partnership ...: C1, C3, C4, C5 (A2,A3, A4)	EM, all programs
	\$134,000			GF-F		

Proviso funded activities: Convene meetings of the Puget Sound Action Team and Puget Sound Council as called for in statute. Convene a “management team” to work on the Partnership’s business between meetings. Lead the partnership’s effort to make and report on progress in implementing this 2005-07 plan. Lead the partnership’s effort to develop a plan for 2007-09. Provide staff support to the Puget Sound Action Team and Council.

Expected Results:

- A range of audiences, including federal and state agencies, local governments, associations, the legislature, media and individuals receive oral or written communications from Action Team staff identifying existing and emerging conservation needs of Puget Sound and advocating actions to meet those needs.
- The work of the Puget Sound Action Team partnership is supported and coordinated by working with the Action Team’s management team to oversee implementation of the 05-07 plan, ensure progress is made on all commitments and identify emerging issues and opportunities.
- A report on the Action Team Partnership’s progress in implementing the 2005-2007 Puget Sound Conservation and Recovery Plan is submitted to the governor, the legislature and the public by December 2006,
- The partnership adopts priorities for Puget Sound for the 2007-2009 biennium and develops a Puget Sound work plan and proposed budget for the 2007-2009 by November 2006.
- The Puget Sound Council receives staff support to assess the work of the Partnership and make recommendations for improvements and new areas and ways of engagement.

Agency: Puget Sound Action Team Staff

Budget Code Title: Provide technical assistance and policy guidance to achieve progress on the Partnership's environmental priorities

Total proposed funds: \$1,457,400

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
PSAT-02	\$1,053,900			WQA	Priorities 1, 2, 3, 4, 5, 6, 7. Especially Results: 1.C.1, 3.A.1, 3.B.2, 4.C.1, 4.C.2, 4.D, 4.A.1, 4.B.3, 5.B.5, 6.B	AG, AQ, FP, MB, MFH, NP, OSS, M&I, PS/GB, S, SH, SP, SW, MR
	\$378,500			GF-F		
			\$25,000	GF-S		

Proviso funded activities: PSAT staff (especially program and priority leads) monitor current and emerging conservation and environmental issues in Puget Sound, participate in significant policy and program development throughout Puget Sound, seek and promote practical solutions to environmental problems, and work to find alternatives to activities that may harm Puget Sound's marine and freshwater environments. Staff will provide technical assistance, support demonstration projects, coordinate interagency efforts to deliver consistent information and improved services, participate in regional initiatives, support and enhance the work of partner agencies and develop and offer tools, guidance and resources to help local and tribal governments, citizens and businesses address priority conservation issues.

Expected Results:

- A comprehensive presentation of all known contaminated sediment sites, their size, key contaminants, status and expected date for remediation to be completed is available to the public.
- The number of local governments adopting the elements of the Puget Sound comprehensive local stormwater program increases by 20 percent during the biennium and 20 additional local governments adopt ordinances and/or regulations that allow for, encourage, or require the use of low impact development techniques.
- All Puget Sound local health jurisdictions receive assistance to complete risk-based management plans for onsite sewage systems and begin their implementation by the end of the biennium.
- At least 8 of 12 local health jurisdictions receive assistance to create GIS maps to evaluate and manage concentrations of onsite sewage systems located adjacent to water bodies impaired by fecal or nutrient loadings by June 2007.
- State, federal, tribal and local partners in Hood Canal maintain a coordinated approach that efficiently and effectively communicates information to the public, implements corrective actions, and works cooperatively to link the results of scientific studies to policy initiatives and on-the-ground corrective actions.
- Shellfish policy and technical guidance assists state, local, tribal and private efforts that result in improved water quality and/or less restrictive classifications:

1. In one shellfish growing area threatened or degraded by stormwater runoff and two areas threatened or degraded by on-site sewage systems as identified by the state Department of Health.
 2. For 1000 acres of commercial growing areas.
 3. To achieve removal of five percent of commercial growing areas from Health's prior year's early warning list.
- Support and technical guidance for: 1) a report with recommendations for managing ballast water that is submitted to the legislature by December 2006 and for a rapid assessment survey, and 2) a report that identifies nonnative species in the Straits of Juan de Fuca and Georgia is completed by June 2007.
 - Eighty percent of the priority, large-scale restoration projects in Puget Sound receive direct technical assistance from Action Team staff including feasibility studies to restore marine and estuarine habitats covered by Capitol Lake and along the Burlington Northern Santa Fe Railroad.

Agency: Puget Sound Action Team Staff

Budget Code Title: Conduct outreach and provide assistance to Puget Sound communities to support progress on the Partnership's priorities

Total proposed funds: \$1,320,800

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
PSAT-03	\$971,800			WQA	Primarily 3A1, 3B2, 3C2, 3E2, 4A1, 4C1, 4D2, 4d, 5B1, 5B2, 5C3, 5D2, 5D3, 6C, 7B1.	SW, OSS, SH, MFH, AG, NP, WP, EPI
	\$349,000			GF-F		

Proviso funded activities: Staff (especially those assigned as local liaisons) work with staff and elected officials of Puget Sound's local and tribal governments, businesses, trade associations, environmental and community groups, and interested individuals and organizations to promote progress in implementing local programs (e.g., stormwater management, on-site system management, land use planning and watershed plan implementation) that are key aspects of the partnership's strategies to address its environmental priorities. PSAT staff develop and provide information materials, arrange support from partner agencies and organizations, provide technical and policy support, and participate in and facilitate relevant processes and/or groups.

Expected Results:

- Outreach and technical assistance is provided to local and tribal governments, businesses, trade associations, environmental and community groups, and interested individuals and organizations to achieve specific, measurable progress on all seven core priorities.
- Cooperative assistance is provided to 80 % of commercial restricted shellfish closure local processes, and organizations receive collaborative assistance to prevent downgrades in "threatened" commercial shellfish growing areas.
- 100% of Puget Sound counties and 30% of Puget Sound cities receive direct assistance through outreach, technical assistance, funding information,

workshops, and other tools to adopt elements of the Puget Sound stormwater comprehensive local program, including low impact development and public education and involvement elements.

- 80% of Puget Sound communities (e.g. local governments, health jurisdictions, watershed and stewardship groups) receive outreach and technical support for improved management programs for onsite sewage systems, education to local residents, and integration with land use plans and ordinances.
- At least 5 workshops for shoreline landowners to improve their understanding of shoreline processes and resources and promote better stewardship of shoreline property, targeted to jurisdictions conducting shoreline master program updates.
- Direct assistance to 100% of Puget Sound counties and 60% of marine shoreline cities with shoreline master program and growth management updates.
- Direct outreach and assistance provided to 100% of Marine Resources Committees in the Northwest Straits to assist them in meeting their benchmarks.
- Assistance to 80% of ongoing salmon recovery processes (e.g. lead entities and other partners in salmon recovery) to implement salmon recovery plans.

Agency: Puget Sound Action Team Staff

Budget Code Title: Inform and engage people to make progress on the Partnership's environmental priorities

Total proposed funds: \$712,300

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
PSAT-04	\$524,100			WQA	Priorities 1, 2, 3, 4, 5, 6, 7. Numerous results.	EPI
	\$188,200			GF-F		

Proviso funded activities: Develop communications strategies and actions for PSAT staff and for specific projects to advance progress on environmental priorities. Work with partners to develop messages and agency-specific roles. Provide information to media to convey Partnership messages. Coordinate education efforts with specialists from partner agencies and university outreach programs. Publish *Sound Waves* newsletter, *Puget Sound Report*, and other publications and communications materials, and maintain and manage PSAT Web site. Provide information about Puget Sound, its issues, and the Partnership to various audiences (e.g., via speaking engagements, briefings, newsletter articles, websites and e-mail lists).

Expected Results:

- The Puget Sound community, including local and tribal governments, businesses, trade associations, environmental and community groups, and interested individuals and organizations, receives accurate, relevant and accessible information on the status of the Puget Sound ecosystem, issues related to the health of the ecosystem, and activities of the Puget Sound Action Team partnership and Council through *Sound Waves*, the *Puget Sound Report*, press releases, e-mails and materials provided on the PSAT web site.
- Citizens receive public education and involvement opportunities throughout Puget Sound to adopt behaviors and take actions to prevent and reduce pollution

from human sewage and animal waste for all beneficial uses, including safe shellfish harvesting.

- 1,000 local government staff, real estate professionals, developers and citizens increase their knowledge, skills, and motivation to change their behaviors and practices to better protect shorelines and other ecologically critical areas, including restoration and stewardship voluntary actions.
- Fifty planners, natural resource agency staff, real estate professionals, developers, volunteers and landowners increase their knowledge, skills and ability to advise others in the restoration of degraded shoreline, nearshore and freshwater habitats.
- An evaluation of the efficacy of education efforts of PSAT staff, PIE contractors, and partner agencies is conducted and lessons are applied to ongoing and new projects and programs.

Agency: Puget Sound Action Team Staff

Budget Code Title: Coordinate, communicate, and facilitate the use of Puget Sound science

Total proposed funds: \$362,800

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
PSAT-05	\$266,900			WQA	Role of Science & all priorities, numerous results	MR
	\$95,900			GF-F		

Proviso funded activities: Coordinate the Puget Sound Ambient Monitoring Program to facilitate development and communication of Puget Sound science and help translate scientific findings into useable information for managers and to address key management issues. Convene PSAMP steering and management committees. Co-chair 2007 Puget Sound/Georgia Basin Research Conference.

Expected Results:

- The Puget Sound community is provided with accurate, relevant and accessible information on the status of the Puget Sound ecosystem and issues related to the health of the ecosystem through publications, the Puget Sound/Georgia Basin Research Conference and the PSAT web site.
- Forage fish stock and habitat information is available in Geographic Information System (GIS) format and is accessible to the public.
- Status and trends information for forage fish, ground fish, marine birds and other select species and indicators is provided in reports such as the *Puget Sound Update* and *Puget Sound Report*. These reports target federal, state, tribal and local governments, scientists, educators and citizens. Data from monitoring and focus studies is provided in easy-to-use formats to scientists, planners and managers so that they may use and benefit from the findings.
- Research and monitoring results are disseminated to managers via publications in primary and technical literature, meetings/workshops, and the 2007 Puget Sound- Georgia Basin Research Conference.

- Emerging issues (e.g., toxic contamination, water quality degradation, habitat changes) are identified based on ambient monitoring program to (a) focus development of new research partnerships to address important and/or urgent questions and (b) refer issues to appropriate management authorities for rapid response to significant environmental changes.
- Technical assistance is provided in sampling and analysis procedures, protocols, and guidelines to governments, community groups and other scientists.

Agency: Puget Sound Action Team Staff

Budget Code Title: Distribute Public Involvement and Education (PIE) funding for community-based education and involvement

Total proposed funds: \$1,000,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
PSAT-06	\$700,000		\$300,000	WQA	Priorities 1, 2, 3, 4, 5, 6, 7, but especially result C2 from the "Role of the Partnership"	EPI

Proviso funded activities: Funds distributed through various means to community groups to support projects that directly educate and engage citizens in efforts to address priority environmental issues facing Puget Sound. Majority of funds are disbursed in response to an RFP issued early in biennium. Other funds distributed through SEED (small awards) and directed awards. Five to ten percent of funds (depending on overall funds) used for staff to administer this program.

Expected Results:

Greater number of people around Puget Sound are involved and engaged in environmental issues through: funding for public involvement and education (PIE) projects is provided to local and tribal governments, businesses, trade associations, environmental and community groups, and interested individuals and organizations. PIE projects will reach 65,000 citizens (50,000 without the proposed enhancement) with education directed at behavior change and to raise awareness around priorities in the 2005-2007 Puget Sound Work Plan.

Agency: Puget Sound Action Team Staff

Budget Code Title: Provide funds and develop for corrective actions to address Hood Canal's dissolved oxygen problems

Total proposed funds: \$1,000,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
PSAT-07	\$0		\$500,000	GF-S	Priorities 3, 4, 5, 6, 7,	EM, MFH
			\$500,000	GF-F		

Proviso funded activities: Funds distributed through various means to local governments, tribes, state agencies and community organizations to develop and implement projects that reduce sources of nutrients that contribute to low dissolved oxygen levels in Hood Canal.

Expected Results:

Hood Canal's environmental quality is improved through: ongoing technical and financial assistance is provided to address and remediate sources of nitrogen pollution, such as septic tanks, stormwater runoff, salmon carcass disposal, livestock keeping practices and others, into Hood Canal.

Ongoing financial assistance is provided for educating and involving Hood Canal residents in changing behaviors to reduce pollution, and for communication and outreach on the progress of canal-wide efforts to reduce pollution.

Models of pollution reduction and prevention are developed that can be replicated elsewhere in the canal and around the Sound.

Department of Transportation

Agency: Transportation

Budget code title: Stormwater Treatment Construction and Retrofit

Total proposed funds:

Budget Code	Continuing Proviso Funds	Continuing Other Funds	Proposed Adjustment	Funding Source	Priorities & Results	PS Plan Program
DOT-01	none	To be provided		MVF	Priority 3	SW

Program description: The funds identified provide for constructing stormwater treatment facilities (runoff treatment and flow control) on projects planned during the 05-07 biennium.

Proviso funded activities: none

Expected Results: Link to Priority 3.D. "Runoff from state highways is managed", Ref: Result #3. The work complies with requirements identified in the WSDOT Highway Runoff Manual and applicable regulations. Many projects will also conduct retrofits in the project area when it is feasible. WSDOT has developed project scopes for stand-alone retrofit projects, but as a result of funding constraints none are proposed for completion during this biennium. Treatment facilities constructed during 05-07 will continue to add to the inventory of Best Management Practices for treating stormwater quality and flow. The net result is a continuing incremental improvement in the quality and quantity of stormwater discharged by WSDOT into Puget Sound and into waters that drain into the Sound.

Agency: Transportation

Budget code title: Contaminated Sediment Management, Eagle Harbor

Total proposed funds: \$381,000

Budget Code	Continuing Proviso Funds	Continuing Other Funds	Proposed Adjustment	Funding Source	Priorities & Results	PS Plan Program
DOT-02	none	381,000		MVF	Priority 1	S

Program description: Washington State Ferries (WSF) operates the Eagle Harbor Maintenance Facility. This site also operates in an EPA Superfund site. WSF and others are responsible under a court order to maintain and monitor the functions of the near shore disposal site for contaminated sediments. WSF is in the seventh year of a ten year Operations and Maintenance Plan. The costs shown are for the expected monitoring and management costs for the next biennium including costs for State Forces work.

Proviso funded activities: none

Expected Results: Link to Priority 1.A. “Sites are cleaned up”, Ref: Result #1, and 1.D. “Monitor progress”, Ref: Result #1. The objective at the conclusion of the site monitoring program is to demonstrate that the nearshore disposal facility is an effective engineered system to contain contaminated sediment and prevent further contamination of Eagle Harbor. Results of monitoring to date are demonstrating that the source controls implemented on the site are effective.

Agency: Transportation

Budget code title: Wetland Impact Mitigation and Site Maintenance

Total proposed funds: \$19,000,000

Budget Code	Continuing Proviso Funds	Continuing Other Funds	Proposed Adjustment	Funding Source	Priorities & Results	PS Plan Program
DOT-03		\$19,000,000		MVF	Priority 5 Priority 6	MFH

Program description: These funds are for mitigating wetland impacts from WSDOT Northwest Region projects programmed in 05-07 (\$17,800,000), and for wetland mitigation site maintenance in the WSDOT Olympic Region (\$1,200,000). Northwest Region is estimating 37.6 acres of project wetland impacts, and assuming an average mitigation ratio of 2:1, translates to \$17.8 million (includes land acquisition). With new draft Department of Ecology guidance the average mitigation ratio increases to 4:1, which translates to a cost of \$35.6 million. These cost estimates do not include wetland buffer impacts nor maintenance and monitoring costs. Olympic Region does not know enough at this time to estimate what 05-07 project wetland impact acreage will be.

Proviso funded activities: none

Expected Results: Link to Priority 5.A. “Habitat is conserved” and 6.A. “Restoration projects improve habitat.” Also link to Priority 6.B. Ref: result #4 regarding the “piloting of mechanisms to optimize the environmental benefits derived from environmental impact mitigation”. Even though these funds are not for conservation or restoration projects per se, WSDOT strictly follows mitigation sequencing and as a result wetland impacts are avoided whenever possible. In addition, when impacts are unavoidable, restoration of degraded habitats is a high priority for compensatory mitigation. WSDOT has a robust mitigation monitoring program that ensures success of mitigation, including site remediation if necessary. Finally, WSDOT is a leader in piloting methodology and mechanisms to optimize environmental benefits and use of watershed-based mitigation to promote the restoration of priority habitats.

Agency: Transportation

Budget code title: Habitat/Fish Passage Barrier Inventory and Removal

Total proposed funds: \$7,246,400

Budget Code	Continuing Proviso Funds	Continuing Other Funds	Proposed Adjustment	Funding Source	Priorities & Results	PS Plan Program
DOT-04		7,246,400		MVF	Priority 6	MFH

Program description: WSDOT/WDFW cooperative fish passage barrier inventory and removal program. This amount includes funding for 15 barrier removal projects programmed for 05-07 in Puget Sound counties (\$5,746,400) and continuation of barrier inventory work in the biennium (\$1,500,000). This amount does not include removal of fish passage barriers that may be removed as part of WSDOT highway projects.

Proviso funded activities: none

Expected Results: Link to Priority 6.A. "Restoration projects improve habitat", Ref: Result #3. Removal of fish passage barriers and increase in stream habitat available to salmonids and resident fish species.

University of Washington Sea Grant Program

Agency: University of Washington, Washington Sea Grant Program

Budget code title: Water Quality Agents

Total proposed funds: \$330,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
UW-01	\$300,000		\$30,000	GF-S	Priority 3:E1 Priority 4: F2,E5 Priority 5: D1,D2,D3 Priority 6: C1 Priority 7: E1	EPI, MFH,NP, OSS, SH, WP

Program description: Since 1990, the Washington Sea Grant Program (WSGP) has delivered public involvement, education and technology transfer programs on water quality issues in cooperation with WSU-Extension and county governments in Mason, - Kitsap Jefferson, Thurston, and Pierce counties. The WSGP program addresses water resources associated with rural, urban and urbanizing areas with marine waters. Program topics include habitat loss, shoreline stewardship, restoration, non-point source pollution, watershed planning, fish, shellfish seaweeds and tidal plants of Puget Sound. Two Sea Grant field agents work in tandem with WSU-Extension field staff and PSAT local liaisons to combine their expertise and resources to provide technical assistance, public information, and educational programs to local governments, tribes, industries, schools, water resource users and community groups

Proviso funded activities: WSGP water quality field agents, in coordination with other entities, will conduct the following activities:

- Provide workshops, create reference materials, and provide technical assistance to shoreline residents in nearshore and intertidal restoration and enhancement, stewardship, stormwater management, elimination of organic debris and watershed management in Kitsap and Mason counties.
- Coordinate Kitsap Nearshore Outreach Group and provide professional development opportunities for its members.
- Coordinate Water Festival, Salmon Tours and Kids' Day at OysterFest.
- Create a citizen based estuarine monitoring program to provide water quality data to agencies
- Collaborate to create a low impact development demonstration site in Kitsap County.
- Coordinate work sessions for local health/public works staff on to pet waste issues.
- Coordinate a citizen-based shellfish monitoring program to provide shellfish quality data to tideland owners.

Expected Results:

- 100 shoreline landowners will eliminate or reduce practices that add organic material into Hood Canal and other marine water.
- 50 shoreline owners will test their shellfish for pathogens.
- 350 shoreline property owners will receive education on Best Management Practices, stewardship and restoration opportunities.

- 50 shoreline landowners will initiate shoreline restoration.
- 1500 students will participate in water quality education at Water Festival and Kids' Day at OysterFest.
- 160 Kitsap residents will participate in Salmon Tours; 100 students will receive education on nutrient loading; 11 pet waste stations will be installed at marine parks; 100 watershed stewards will receive education on shellfish culture and water quality.

Agency: University of Washington, Washington Sea Grant Program

Budget code title: Oil Spill Prevention Education

Total proposed funds: \$187,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
UW—02	\$170,000		\$17,000	OSPA	Priority2: D2	SP, MB

Program description: Operating under the state Oil Spill Prevention and Response Act of 1991, this Washington Sea Grant Program voluntary prevention education program emphasizes direct interaction with vessels and marina operators and other marine users and agencies to provide safe and practical alternatives to spill-prone practices and to exchange ideas and technical information. Small spills involving highly toxic refined or contaminated waste oil products add up and their cumulative impact can be particularly harmful to shallow, fertile nearshore environments. The program targets commercial fishing and recreational boat operators, ferries, ports and marinas to promote innovative waste oil reduction and recycling, as well as sound maintenance and operating practices.

Proviso funded activities: WSGP, in coordination with other entities, will conduct the following activities:

- Distribute spill prevention kits and fuel collars
- Train Coast Guard Auxiliary flotillas to provide more effective spill and pollution prevention education to boaters.
- Conduct spill prevention seminars in conjunction with WSGP fishing vessel safety workshops.
- Work with selected marinas to develop comprehensive training and education programs to eliminate spill-prone fueling and maintenance practices.
- Chair Pacific Oil Spill prevention Education Team (POSPET) to ensure promotion of State 1-800-Oils911 spill reporting number and to encourage networking among regional spill prevention agencies and organizations.

Expected Results:

- 125 Marinas in Puget Sound and over 1500 boaters and fishermen are reached by an educational effort to reduce small spills.
- 3 to 4 targeted marinas will adopt Best Management Practices, post safe-fueling signage and distribute spill prevention kits to boat owners.
- Over 300 Coast Guard Auxiliary members will incorporate spill prevention strategies into their pollution prevention training program for boaters.

Washington State University Extension

Agency: Washington State University Extension

Budget code title: Water Quality Field Agent Education and Assistance

Total proposed funds: \$420,000

Budget Code	Carry Forward Proviso Funds	Continuing Other Funds	Proposed Enhancement	Funding Source	Priorities & Results	PS Plan Program
WSU-01	\$331,000		\$89,000	GF-S	Priority 3: E1, Priority 4: F1, Priority 5: D3, Priority 6: C1	NP, EPI, OS, SF, SW, WP, MFH

Program description: WSU Extension uses federal, state, local and private funds, as well as a wealth of volunteer time and resources to promote environmental stewardship. Programs include volunteer training programs, technical assistance to landowners and professionals on agricultural and landscape management issues, as well as public education and youth development programs directly related to environmental stewardship. These programs include the 4-H program, Master Gardener program, Forest Stewardship Training, Real Estate Professional Training, Pesticide Applicators training, as well as a range of independent programs targeting improved environmental management.

Proviso funded activities: WSU Extension utilizes proviso funding to provide the base funding for 3 Water Resource Field Agents who develop educational and technical assistance programs targeting priority Puget Sound issues at the local level. The field agents incorporate water resource stewardship into the full range of WSU programs within the region they serve (Pierce, Jefferson, Mason and Thurston Counties), as well as act as a resource for other WSU Extension programs in Puget Sound Counties. Additional support and office space is provided by each of the counties, as well as a range of grant and foundation funding the agents are able to access.

The three field agents provide specific water resource protection training programs for Water Watcher volunteers, Master Gardener volunteers, 4-H programs, Native Plant Salvage Project volunteers and Real Estate Professionals in the region. In addition, the field agents provide technical assistance to watershed planning units, local watershed organizations, county and city staff, and decision makers. Activities also include broader public outreach through newspaper articles, radio spots, fair booths and topic specific public workshops.

Expected Results:

- Area residents will change their behaviors to help protect the health of Puget Sound waters and its resources.
- The number and quality of education and public involvement programs of local governments, regional organizations, schools, watershed councils and community groups will be increased through the support, coordination and expertise provided by the field agents.
- Puget Sound Action Team outreach and education efforts will have greater impacts through enhanced coordination at the local level.
- WSU Extension programs throughout the Puget Sound Basin will have greater impacts on water quality related issues.

**Table 5: Index of Action Team Partner Activities
Under Budget Codes of the
2005-2007 Puget Sound Conservation and Recovery Plan
By Priority**

This index shows how Action Team partners are focusing funds proposed under the work plan as they work together to achieve progress on priorities. Each priority is linked to the agency budget codes and detailed activities supporting that priority. Some budget code activities support more than one priority.

Agency	Budget Codes	Pages
The Role of the Action Team Partnership		
Puget Sound Action Team	PSAT-01, PSAT-02, PSAT-03, PSAT-04, PSAT-06	44-A to 49-A
Clean up contaminated sediments		
Ecology	DOE-01, DOE-07	7-A, 12-A
Puget Sound Action Team staff	PSAT-01, PSAT-04, PSAT-06	44-A to 47A, 49-A
Department of Transportation	DOT-02	51-A
Reduce continuing toxic contamination and prevent future contamination		
Agriculture	WSDA-01	2-A
Ecology	DOE-02, DOE-07, DOE-09, DOE-13, DOE-14	8-A, 12-A, 14-A, 18-A, 19-A
Parks and Recreation	PRC-02	43-A
Puget Sound Action Team staff	PSAT-02, PSAT-04, PSAT-06	45-A, 47-A, 49-A
Washington Sea Grant	UW-02	55-A
Reduce the harm from stormwater runoff		
Ecology	DOE-06, DOE-08	11-A, 13-A
Health	DOH-01, DOH-02, DOH-03	35-A to 37-A
Puget Sound Action Team staff	PSAT-02, PSAT-03, PSAT-04, PSAT-06, PSAT-07	44-A to 50-A
Department of Transportation	DOT-01	51-A
Washington Sea Grant Program	UW-01	54-A
Washington State University Extension	WSU-01	56-A

Agency	Budget Codes	Pages
Prevent nutrient and pathogen pollution caused by human and animal wastes		
Agriculture	WSDA-01	2-A
Conservation Commission	CC-01	4-A to 6-A
Ecology	DOE-04	10-A
Health	DOH-01, DOH-02, DOH-03, DOH-04	35-A to 38-A
Parks and Recreation	PRC-01, PRC-02	43-A
Puget Sound Action Team staff	PSAT-02, PSAT-03, PSAT-04, PSAT-06, PSAT-07	45-A to 50-A
Washington Sea Grant Program	UW-01	54-A
Washington State University Extension	WSU-01	56-A
Protect shorelines and other critical areas that provide important ecological functions		
Agriculture	WSDA-01	2-A
Community, Trade and Economic Development	CTED-01	3-A
Ecology	DOE-03, DOE-08, DOE-10, DOE-11	9-A, 12-A, 16-A
Fish and Wildlife	DFW-02, DFW-03, DFW-04, DFW-13, DFW-14	21-A to 23-A, 30-A to 32-A
Natural Resources	DNR-01, DNR-02, DNR-05	39-A to 41-A
Puget Sound Action Team staff	PSAT-02, PSAT-03, PSAT-04, PSAT-06, PSAT-07	45-A to 50-A
Department of Transportation	DOT-03	52-A
Washington Sea Grant Program	UW-01	54-A
Washington State University Extension	WSU-01	56-A
Restore degraded nearshore and freshwater habitats		
Conservation Commission	CC-01	4-A to 6-A
Ecology	DOE-08, DOE-12	13-A, 17-A
Fish and Wildlife	DFW-02, DFW-03, DFW-04, DFW-06, DFW-11, DFW-12, DFW-13, DFW-15	21-A to 23-A, 25-A, 29-A to 31-A, 33-A
Puget Sound Action Team staff	PSAT-02, PSAT-03, PSAT-04, PSAT-06, PSAT-07	45-A to 50-A
Department of Transportation	DOT-03, DOT-04	52-A, 53-A
Washington Sea Grant Program	UW-01	54-A
Washington State University Extension	WSU-01	56-A

Agency	Budget Codes	Pages
Conserve and recover orca, salmon, forage fish and groundfish		
Fish and Wildlife	DFW-02, DFW-03, DFW-04, DFW-05, DFW-07, DFW-08, DFW-10, DFW-13	21-A to 24-A, 26-A to 27-A, 30-A
Puget Sound Action Team staff	PSAT-02, PSAT-03, PSAT-04, PSAT-06, PSAT-07	45-A to 50-A
Washington Sea Grant Program	UW-01	54-A
The role of science in Puget Sound conservation and recovery		
Ecology	DOE-01	7-A
Fish and Wildlife	DFW-01, DFW-05, DFW-07, DFW-09	20-A, 23-A, 26-A, 27-A, 34-A
Health	DOH-01, DOH-02	35-A, 36-A
Natural Resources	DNR-01, DNR-04	39-A, 40-A
Puget Sound Action Team staff	PSAT-05	48-A